

deranged **Team CV**

<https://deranged.dk>

Last updated 2025-10-29

deranged is a small consultancy focusing on providing quick and efficient solutions covering all software-related needs of companies. We focus on having modern and broad competences, allowing us to quickly solve complex problems in the best manner possible.

This document provides a quick summary of the team, and how we work together, followed by CVs for the individual team members.

We are proficient in many technologies, programming languages and environments, as well as in requirements elicitation and Agile software development practices. We have structured the company around learning, training our employees in general principles and quick adaptation to concrete technologies. This means that our employees will quickly be productive and helpful even in contexts where they do not have experience with the specific technologies in use.

We focus on building strong teamwork within our team, and on building the competences necessary for working well in other existing teams and environments. We strive to improve communication and cooperation in the teams we become a part of. By hiring us as a team you get well-established and efficient cooperation.

Our team is trained and competent in practices that allow us to deliver efficiently and consistently, including code reviews, automated testing, and continuous deployment. We have experiences in a large variety of technologies. Most common to our team are the following:

- C#/.NET, including ASP.NET MVC
- Node.js, including express.js
- Go, including the Kubernetes Operator Framework
- Frontend web frameworks such as React, Vue.js and Svelte
- Various database technologies, including Postgres, MSSQL, MySQL, MongoDB, Elasticsearch and CouchDb
- Technologies for infrastructure orchestration and platform engineering, including Kubernetes, Docker and lots of operators and helm charts.
- Various CI/CD pipelines, including Github Actions, Gitlab CI/CD, Google Cloud Build, Travis CI, Circle CI, and more.

We can be hired individually, or as a team. Our team consists of employees with different levels of experience, and related pay grades. A strong team will often consist of a mix of experience levels, resulting in work done as cheaply and quickly as possible without compromising quality. Simpler and more rote tasks can be performed by less experienced members, while the more highly paid members can focus on the areas that require more experience, such as architectural or structural decisions.

We communicate and are used to working in both Danish and English.

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Niels Roesen Abildgaard

Staff software consultant. MSc Software Development.



2011	Student developer at Veloso (now ActionPlanner).
2012	Student developer at University of Copenhagen.
2013	Software developer at Newsquid.
2014	Graduated BSc Software Development from the IT University of Copenhagen.
2014	Software developer at Justfone (now CubeIO). Later promoted to Lead Architect API.
2016	Software developer at Planday.
2016	Co-founded Mærkelex.
2018	Co-founder and senior software consultant in deranged.
2018	Graduated MSc Software Development and Technology from the IT University of Copenhagen.
2020	Staff software consultant in deranged.

Niels is a driven and enthusiastic software developer, architect and agile coach, with a perspective that takes into account the whole application being developed, and experience in everything from requirements elicitation and software architecture to concrete practices and API design.

He has significant experience in training new developers, improving software development processes to fit the concrete needs of an organization, and otherwise making the whole team he is part of as efficient as possible.

Niels has experience from various startups in the Copenhagen area, and with a wide variety of technologies, including web frameworks, testing frameworks, various databases, infrastructure orchestration tools, and other technologies used in modern application development, including working with modern infrastructure management tools such as Kubernetes since 2018.

Niels' MSc thesis concerned web application development, exploring several different aspects of the software development industry. Additionally, he has strong interests in software security, software development processes, infrastructure, architecture, and teaching software development. He is adamant about the importance of communication as a cornerstone of good software development.

Familiar technologies

Programming languages	Web Frameworks	Testing frameworks	Database Technologies	Other Technologies
C#/.NET	ASP.NET MVC	Jasmine	Postgres	RabbitMQ
Node.js	Express	Mocha	MongoDB	AWS
Javascript	Sails.js	XUnit	CouchDb	Google Cloud
Java	Django	Cucumber	Redis	OVHCloud
Python	Ruby on Rails	Tap	MySQL	Azure
PHP	React		EventStore	Scaleway
Go	Vue.js			Git
HTML	Svelte			OAuth
CSS	Astro			Auth0
Rust				Kubernetes
bash				Gitlab CI/CI
				Github Actions

Expanded experience

Note that several of these points in experience overlap in time as they have been part-time consultancy engagements.

Software development and platform engineering, Digitaliseringsstyrelsen (with Uselt Danmark and Special Minds)

As a subcontractor for the consortium made up of Uselt Denmark and Special Minds, we are responsible for the software development on the Webtilsyn.dk web accessibility audit platform for public sector websites in Denmark.

At the same time, we are working on new development of new tools related to web accessibility, including the new WAS platform for web accessibility statements.

Primarily in: Node.js, Vue, Vuetify, Kubernetes, Docker, Rancher, GovCloud, NemLog-in.

Platform engineer, Det Digitale Folkebibliotek (with Reload A/S) 2024- (ongoing)

As a subcontractor for Reload A/S, we took over the responsibility for the infrastructure running the new public libraries' websites. We prepared for and executed the launch of almost 100 libraries on the platform, modifying and scaling the infrastructure as needed. We provided feedback mechanisms and ways to investigate running code for Reload's developers, who were the main developers of the new websites.

We set up various dashboards to help the infrastructure team, developers and other stakeholders understand the state of the infrastructure. This involves picking and choosing the right

abstractions to expose to different stakeholders, to provide useful information without overwhelming.

Working with Kubernetes, Azure Kubernetes Service, Lagoon, Terraform, Keycloak, bash, Grafana, Loki, Prometheus, MariaDB.

Software development, Arkivfinder, Københavns Stadsarkiv

2023- (ongoing)

We were the full stack development team building Arkivfinder, a green field project for city archives in Denmark. It integrates with a newly built archival system (Asta), and provides public searchable access to assets in archives, as well as the entry point for citizens to requisition materials, used for academic and amateur research.

We built a scalable infrastructure, and created an architecture that maximizes resilience, by isolating different potential complexities from each other. Even if a third party service - or even the Elasticsearch instance that supports search - is non-functional, the system will remain mostly functional. Building with Astro allowed for interesting analyses of performance, optimizing for user experience, which means minimizing work performed when a user performs a request, instead pushing the work to the time of changes being made.

The solution integrates with NemLog-in as an authentication provider for citizens wanting to access and requisition archival material. We integrated NemLog-in's OIOSAML protocol with Keycloak's SAML adapter, including support for citizens whose addresses are protected and who appear under pseudonym in the system. We provided a separate possibility for logging in without MitID for users tied to archival institutions, who instead use professional email addresses and passwords as authentication. The system is built to treat personally identifiable information (PII) safely, and minimize the amount of minimize the amount of PII collected.

The Arkivfinder system comes with built-in cookieless analytics which tracks no personally-identifiable information. This is implemented using the open source analytics software Matomo.

We worked with accessibility evaluators to ensure the site was implemented in full compliance with WCAG 2.0 AA before launch.

Primarily in: Astro, Svelte, Node.js, Keycloak, Matomo, Github Actions, Kubernetes, Amazon EKS, Docker, git, MongoDB, Postgres, bash, NemLog-in, Grafana, Loki, Prometheus.

Platform engineer, Københavns Kommune (with Reload A/S)

2023- (ongoing)

As a subcontractor for Reload A/S, Niels has been working for the Municipality of Copenhagen (Københavns Kommune) as part of the internal platform team. The team builds and maintains the infrastructure platform that hosts Københavns Kommune's websites, and makes management and monitoring of those sites accessible to the relevant stakeholders.

The work includes building new capabilities in the platform to better serve the complex needs of website developers, internal policies and other stakeholders; as well as improving the developer experience (which in turn improves maintainability, and makes it easier to deliver a high level of service).

The platform runs on Kubernetes environments hosted on Microsoft Azure, Scaleway, and locally using kind. We build and extend operators, side cars and ArgoCD applications, Azure DevOps pipelines, ArgoCD workflows, and more; build out infrastructure orchestration using Pulumi; and ensure that the system stays up-to-date when new security updates are released.

We advise on adherence to WCAG 2.0 AA standards for the internal tooling developed by KKIT, and how to provide an accessible interface for their (municipally employed) users.

Working with Kubernetes, Azure Kubernetes Service, Scaleway Kubernetes Kapsule, Docker, Helm, Go, Operator SDK, ArgoCD, Argo Workflows, Solr, PHP, Drupal, GitHub, GitHub Actions, Scaleway, Azure, Azure DevOps, Prometheus, Loki, bash, git, Pulumi, Grafana, Loki, Prometheus, Drupal, Drush commands, Solr, SolrCloud.

Interim CTO, Propstep

2022-2023

Propstep is a growing PropTech company specializing in managing the rental process for landlords while providing a superior user experience for renters. The project involved working closely with the executive team to build a development team that could more efficiently deliver towards the company goals. This involved developer training, architecture of their cloud platform, and working with the executive team to build a better understanding of how to consistently deliver value in a tech organization, by applying DevOps principles.

The work also included spearheading a migration of a full Kubernetes infrastructure from Google Cloud Project to Scaleway, in order to ensure GDPR compliance, and training developers in use of Kubernetes to ensure the team was fully competent to make all needed changes in their system.

I was also involved in the hiring processes for new employees, including my eventual replacement as CTO.

Working with Java, Spring Framework, Kotlin, Node.js, mongodb (including advanced aggregation pipelines), Kubernetes, Scaleway Kubernetes Kapsule, Docker, Google Cloud Run, Retool, Google Cloud Platform, Google Kubernetes Engine, Gitlab, Git, Strapi, Scaleway, Tailwind UI, FastAPI, bash, git, Grafana, Loki, Prometheus.

Coach and principal developer, Tech scaleup

2021-2022

This case has been anonymized. References available by request.

Working with a software development team to increase technical skill and ability to deliver value for the business, through pair programming, presentations of technical and process-oriented topics, and architectural leadership.

“Working with Niels [from deranged] has been an absolute pleasure! His ability to absorb and assimilate new information into actionable strategy is beyond compare. Even more impressive are his exceptional articulation and communication skills.” - Isaac, Product Owner

The work included responsibilities such as technical leadership, guiding architectural development, informing strategic decisions from a technical viewpoint, and concrete execution on technical development.

Among other things, Niels acted as team leader for a team developing a novel machine learning (AI) product for invisible watermarking (and recognition of such watermarks) in images. As a part of a different effort the deranged team spearheaded the development of a crawler and web page analysis product.

Working with Node.js, Typescript, Python, Flask, React, express and Google Cloud {Run, Compute Engine, Build, Container Registry, Pubsub}, Docker containers, MongoDB, Postgres, bash, git. Lesser amounts of work on neural networks and opencv2.

Software development, Link-lives.dk, Københavns Stadsarkiv 2020-2023, on/off

We worked with Københavns Stadsarkiv’s internal team to provide a user experience for the public when interacting with the data available in the Link-lives.dk project.

We build the frontend, integrated into a CMS, including interaction with the underlying Elasticsearch, while the city archive’s team handled data ingress and maintenance into the Elasticsearch instance. We eventually took over maintenance responsibilities for the Elasticsearch as well.

An API for authorized user actions was initially prototyped internally in Københavns Stadsarkiv, but we took over responsibility for it and continued development of new features, including exporting large datasets as Excel spreadsheets and performance optimizations.

We worked with accessibility evaluators to ensure the site was implemented in full compliance with WCAG 2.0 AA before launch.

Primarily in Angular, C#, Elasticsearch, ASP.NET MVC, Auth0, Wordpress, Travis CI. Secondary technologies include MSSQL, AWS Elastic Beanstalk, bash.

Software development, Kbh billeder.dk, Københavns Stadsarkiv 2020-, ongoing, on/off

Working on the kbh billeder.dk online platform, as well as building the upcoming platform for looking up assets in small archives in Denmark, ArkivFinder.

Included the responsibility of leading entire development teams, coordinating with business stakeholders, and making or informing architectural decisions. The infrastructure for kbh billeder.dk is built in Kubernetes, using Github Actions for automated continuous integration

and delivery. We also advise on technical measures that can be taken in order to continue to ensure a GDPR-compliant system.

Kbh billeder.dk is a relatively old application considering it is running Node.js in Docker containers on Kubernetes. We performed a considerable modernization and simplification of the setup, allowing it to run and be maintained more predictably.

We work closely with Københavns Stadsarkiv, and have designed our process to allow rapid iteration with input from many different stakeholders.

Primarily in Node.js, Pug, Angular, Elasticsearch, Kubernetes, Github Actions, CircleCI, Auth0, MongoDB, Docker containers. Secondary technologies include Google Cloud Platform, bash, Google Kubernetes Engine, git, Grafana, Loki, Prometheus.

Software development and counseling, MarMar Copenhagen

2019-2023, on/off

Advising on how to approach improving the business from an IT perspective, liaising with various business partners, as well as building software automation on both the B2C and B2B parts of the business, including integrating several different systems in order to reduce workload for employees.

Responsibilities included mapping the entire company software situation, and informing business and technical strategy with this in mind, including designing the architecture of a modular system combining SaaS with custom components in order to automate as much work as possible for the employees.

The project was built in a cloud agnostic manner (by utilizing Kubernetes and dockerization), allowing easy migration between cloud providers when needed, including a migration from AWS to GCP.

Working with Vue, Vuetify, Node.js, express, MongoDB, Kubernetes, Gitlab CI/CD, Docker containers, Shopify API, e-economic API, Thetis Pack, Google Cloud Platform, Google Kubernetes Engine, AWS, bash, git, Grafana, Loki, Prometheus.

Software development, Fischer Lighting

2019-2022, on/off

Building internal business tooling and integrating various business systems to lessen workload on employees and enable scaling. Started off from an existing legacy application, slowly and sustainably replacing it with a modern application.

Responsibilities included mapping the entire business' tech situation, and suggesting strategic directions in order to best support the company going forward.

The project was built in a cloud agnostic manner (by utilizing Kubernetes and dockerization), allowing easy migration between cloud providers when needed, including a migration from AWS to GCP.

Working with Vue, Vuetify, Node.js, express, MongoDB, Kubernetes, Gitlab CI/CD, Docker containers, Puppeteer, Business Central, AL, Google Cloud Platform, Google Kubernetes Engine, AWS, bash, git, Grafana, Loki, Prometheus.

Lead architecting and software development, CubelO

2015-2016

Working on telecommunications solutions and value-adding features with a modern technology stack. I had a focus on architecture and ensuring the team was working in a high-value way, navigating severe uptime requirements.

Responsibilities included technical leadership of a team, making architectural decisions for the high-throughput and high-availability system in order to ensure continued stability.

Worked with cip.js, Node.js, pm2, TeamCity, Octopus Deploy, AWS CouchDB, Cucumber, Jasmine. Secondary work in C#, ASP.NET, EventStore, bash, git.

Internal projects, deranged

2018-, ongoing

Setting up internal infrastructure and automation for the company as well as working on internal products for sale to customers.

Responsibilities include having founded the company, trained several developers over the course of many years, and having helped them to become excellent contributors to the industry.

Working with Kubernetes, OVHCloud Managed Kubernetes Service, Docker containers, Node.js, Svelte, Vue, HTML, CSS, Javascript, Gitlab CI/CD, MongoDB, Postgres, eleventy, bash, Slack API, Toggl API, Billy's Billing API, git.

Software development, Mærkelex

2016-, on/off, ongoing

Building a webshop from scratch including business automation.

Working with Jekyll, Node.js, PWA, Postgres, Braintree Payments, Billy's Billing API, Kubernetes, Docker containers, Gitlab CI/CD, bash, git.

Software development, Planday

2016-2017

Working on the backend system in close coordination with the mobile app team to build a better experience for users.

Working in C#, MSSQL, ASP.NET MVC, git.

Software development, The Hablab

2018-2019

Building the Klikkit product backend for the medicinal industry, including adhering to HIPAA and GDPR regulations for medical data.

Working in Node.js, Vue, MongoDB, Kubernetes, Docker containers, Jenkins CI, bash, git.

Software development, BikeHero

2018-2019, on/off

Maintaining a software platform for bike repairs as a service. Working in React, Django, Python, bash, git.

Software development, Nybygget

2018

Building a platform for investing in newly built apartments. Working in Go, React, git.

Software development, Newsquid

2013-2014

Building micropayments solutions and a blog platform. Working with Ruby on Rails, PHP, bash, HTML Canvas, git.

Asbjørn Dyhrberg Thegler

Staff software consultant. MSc Computer Science.



2010	Independent contracting software developer (until 2018).
2013	Graduated BSc Computer Science from University of Copenhagen.
2015	Graduated MSc Computer Science from University of Copenhagen.
2015	Backend developer at CubelO.
2015	Co-founder and CTO at GoPlayDOT ApS.
2017	Co-founded Teal ApS, working as CTO part-time until 2022.
2018	Co-founder and senior software consultant in deranged ApS.
2020	Staff software consultant in deranged ApS.

Asbjørn is an experienced software infrastructure designer and maintainer, and takes a holistic approach to designing applications that are secure and run and scale well, including DevOps and continuous deployment practices and an extensive track record with Kubernetes. He wrote his MSc thesis on stream processing of Big Data.

Asbjørn is a privacy-minded and ethical software developer with an eye for the bigger picture. He cares strongly about the ethics and security of customer data handling and has a high sense of duty. He finds pride in his work with software development, and always strives to become better, both in technical and interpersonal aspects of the trade.

Asbjørn has experience from many different business contexts where he has worked as an independent contractor, and knows the importance of becoming an integrated team member in the companies where he works, so he can lift the entire team to the next level.

Familiar technologies

Programming languages	Web frameworks	Database technologies	Other technologies	
JavaScript	Express	PostgreSQL	AWS	ArgoCD
TypeScript	Fastify	MongoDB	Google Cloud	GitLab CI/CD
Perl	Django	MariaDB	Azure Cloud	GitHub Actions
PHP	React	MySQL	Kubernetes	WSDL / SOAP
Go	Vue.js	CouchDB	Rancher	Keycloak
Java		ElasticSearch	RabbitMQ	Ansible
bash		Redis	Linux	TalosOS
Python		Oracle SQL	RHEL	Git
C++		Solr	CentOS	Pulumi
Erlang			Docker	Helm
Haskell			OAuth 2.0	Operator SDK

Expanded experience

Note that several of these points in experience overlap in time as many have been part-time consultancy engagements.

Platform engineer, Digitaliseringsstyrelsen (with Uselt Danmark and Special Minds)

10 months, 2024 - now

As a subcontractor for the consortium made up of Uselt Denmark and Special Minds, we are responsible for the software development on the Webtilsyn.dk web accessibility audit platform for public sector websites in Denmark, with login via Keycloak and MitID Erhverv. It is hosted at Statens IT on the GovCloud Kubernetes platform.

At the same time, we are working on new development of new tools related to web accessibility, including the new WAS platform for web accessibility statements.

Primarily in: Node.js, Vue, Vuetify, Kubernetes, Docker, Rancher, GovCloud, Keycloak (OIDC)

Platform engineer, Aarhus Kommune OS2ai

3 months, 2025 - now

As a subcontractor for Computerome/DTU we built a GPU-powered Kubernetes platform based on TalosOS, which allowed their developers to deploy openwebui and LLM workloads to provide a Danish-hosted chatbot to the municipal employees. We set up both CI/CD pipelines, OIDC

Working with Kubernetes, TalosOS, Authentik (OIDC), ArgoCD, Prometheus, Grafana, Tempo, openwebui

Platform engineer, Det Digitale Folkebibliotek (with Reload A/S)

6 months, 2024 - now

As a subcontractor for Reload A/S, we took over the responsibility for the infrastructure running the new public libraries' websites. We prepared for and executed the launch of almost 100 libraries on the platform, modifying and scaling the infrastructure as needed. We provided feedback mechanisms and ways to investigate running code for Reload's developers, who were the main developers of the new websites.

When encountering issues or constraints during deployment, we worked collaboratively to identify infrastructure bottlenecks and optimize the process for a smoother, more efficient deployment with maximum redundancy. This approach ensures that the libraries experience minimal downtime moving forward.

Working with Kubernetes, Azure Kubernetes Service, Lagoon, Terraform, Keycloak, bash, Grafana, Loki, Prometheus, MariaDB.

Platform engineer, Københavns Kommune (with Reload A/S)

18 months, 2023 - now

From summer 2023, Asbjørn has (as a subcontractor for Reload A/S) been part of the team at the Municipality of Copenhagen (Københavns Kommune, KK) that runs complex Kubernetes clusters at both Azure and Scaleway. The clusters are used as both a development platform and a production environment for Drupal sites. The platform is built using both Go and Helm based Operator frameworks and delivered to the platform with ArgoCD, Argo Workflows and Azure DevOps Pipelines. While working at KK, Asbjørn has gained extensive experience with the entire setup, from writing code to delivering production ready Drupal environments.

Working with Kubernetes, Docker, Helm, Go, Operator SDK, ArgoCD, Argo Workflows, Solr, PHP, Drupal, GitHub, GitHub Actions, Scaleway, Azure, Azure DevOps, Azure Kubernetes Service, Scaleway Kubernetes Kapsule, Prometheus, Loki, Grafana, bash, git

Infrastructure maintenance, Københavns Stadsarkiv

2 years on/off (ongoing), 2023 - now

Work on the general infrastructure used by the city archive, maintenance of existing services including internal services, the archive website, and more.

Working with AWS, Elastic Beanstalk, Elastic Kubernetes Service.

Consultant Developer, TDC

24 months, 2023-2024

The large telecommunications provider had issues with stability in a team with a large impact on their general operations. The project involved instituting DevOps practices from cultural to technical in order to ensure a higher rate of consistent delivery of value, while minimizing errors. It included introducing version control, containerization, proper test practices, automation of deployment into systems with high load and no allowable downtime, as well as introducing monitoring and architecting, planning and executing a transition to Kubernetes.

Working with Ansible, Kubernetes, Prometheus, Kind, Docker, Git, Nagios, Perl, Python, Node.js, Next.js, React, MariaDB, Helm, ArgoCD, Argo Workflows, Splunk, git, bash

CTO and architect, Teal Aps

8+ years on/off, 2018 - now

I set up both infrastructure, backend and frontend along with a strong team. We built a company based on knowledge of how to build both robust and efficient processes and systems. I managed internal and external development teams while making sure business needs were met. I built our frontend using React while learning HTML and CSS.

Working with Kubernetes, Docker containers, Node.js, HTML, CSS, Keycloak, React, Javascript, Gitlab CI/CD, MongoDB, Postgres, GitLab, Slack API, Keycloak, OAuth 2, OpenID Connect, Google Cloud Project, Google Kubernetes Engine, git, bash, Grafana, Loki, Prometheus

Internal projects, deranged

10+ years on/off, 2016 - now

Setting up internal infrastructure and automation for the company as well as working on internal products for sale to customers. This includes both infrastructure, backend and frontend. We use Kubernetes with ArgoCD, Robusta, Prometheus, Cert Manager, and many more services deployed via Helm or directly from manifest files.

Working with Kubernetes, Docker containers, Node.js, Svelte, Vue, HTML, CSS, Javascript, GitLab CI/CD, MongoDB, Postgres, GitLab, Slack API, Keycloak, OAuth 2, OpenID Connect, OVHCloud Managed Kubernetes, Google Cloud Project, Google Kubernetes Engine, git, bash

Software architecture and development, Fischer Lighting ApS

3+ years on/off, 2019 - 2022

Fischer Lighting ApS had an inhouse PHP application built by a former intern, that had grown substantially to a situation where it had become critical for the business. The code quality was low, and the code was riddled with bugs.

We wrapped the application in a Docker container, deployed it to a Kubernetes cluster hosted in Google Cloud and started monitoring. We made several fixes and the system became more stable and transparent. We introduced version control and configuration management, which easily let us run a test-deployment, both locally and in Kubernetes.

Working with Kubernetes, Git, GitLab, PHP, MySQL, Docker, nginx, LetsEncrypt, Google Cloud Project, Google Kubernetes Engine, MongoDB, git, bash, Grafana, Loki, Prometheus.

Devops consultant, Cobham Satcom

6 months, 2020

The company produces communications hardware used in the maritime- and airline industry. They had a mix of both virtual and physical servers with very different operating systems and configurations. I simplified their Ansible setup and ensured their package management was up to date, and introduced working with Docker, so they didn't need different servers for building code. I introduced Kubernetes as an alternative to hosting one service per server, and deployment via their Jenkins service. I also upgraded and simplified the setup of a horde of open source services that were being used in the company.

Working with Ansible, RHEL, CentOS, Docker, Kubernetes, CI/CD, Jenkins, git, bash

Software architecture and development, Small Tech Company

1 year on/off, 2019 - 2020

This case has been anonymized for security reasons.

The company maintained multiple deployments of an old archaic application written in PHP. The application was critical for security purposes for the company's customers, so we introduced AWS Cognito as an external user-storage, where MFA could be enabled. We made multiple improvements to their AWS setup.

Working with AWS, PHP, AWS Cognito, OAuth 2.0, OpenID Connect, AWS ALB, git, bash.

Software architecture, The HabLab

1.5 years, 2018-2020

The HabLab ApS had a system built by a former employee that experienced prolonged downtime, and no monitoring. We deployed the application to Kubernetes on AWS along with a log aggregation framework in a HA setup. We unified the logging system to improve error detection and we introduced Prometheus as a monitoring framework.

Working with Node.js, MongoDB, RabbitMQ, Redis, Docker, Kubernetes, GitHub, nginx, Prometheus, Elasticsearch, Kibana, LetsEncrypt, fluentd, Robusta, ArgoCD, Keycloak, OAuth 2.0, OpenID Connect, AWS, AWS Elastic Kubernetes Service, Google Cloud Project, Google Kubernetes Engine, git, bash, Grafana, Loki, Prometheus.

Software architecture and development, Laerdal Medical

6 months, 2018

The company had a large number of online courses served through a web frontend or via a CDN. The application serving the courses was written in Node.js. It didn't perform, and needed to be cleaned up and brought into modern tooling. We moved the service to a Linux platform on Kubernetes, which vastly improved performance. We improved the CI/CD pipeline by introducing a more modern approach to deployment with docker containers and Jenkins.

Working with Node.js, AWS, Azure, Jenkins, LetsEncrypt, Docker, Kubernetes, dex, OAuth 2.0, Azure Kubernetes Service, git, bash

Software consultant, Cube I/O

3 months, 2018

CubeIO A/S had just had a mass-migration of employees and needed help getting an overview of their system landscape. I returned to the company to help them overcome the challenge. I methodically mapped out their systems, and documented them. Some of it was deployed via ansible, but most of it were 'pets' in AWS EC2.

Working with Node.js, Go, CouchDB, RabbitMQ, Redis, PostgreSQL, AWS EC2, AWS S3, Saltstack, Scrum, git, bash.

Software consultant, Flowroute Inc.

6 months, 2018

Flowroute Inc we built a prototype for the north american telecommunications number porting. Porting phone numbers in the US is quite complex compared to Denmark. We gathered all the needed data from different systems, and put that into code, for a proof of concept. We built a prototype with Node.js and with Swagger documentation.

Working with Node.js, MySQL, Swagger, EC2, Docker, MySQL, dex, OAuth 2.0, OpenID Connect, git, bash

Software architecture and development, BikeHero**2 years on/off, 2017 - 2019**

BikeHero had a system built in Python with Django running on AWS Beanstalk. The previous developer had left the project, and new features had to be developed. We built new features in both backend and frontend, and enabled HTTPS on their website with user-login.

Working with AWS, Python, Django, MySQL, React, LetsEncrypt, git, bash.

Backend developer, Cube I/O**1 year, 2015-2016**

CubeIO A/S delivered added features to existing telephone network solutions, such as call queues, call recordings, voicemails, multiple calling destinations and call conferences. We integrated SIP functionality with a Node.js web service that allowed us to build applications that could interact directly with ongoing calls.

Working with Node.js, CouchDB, RabbitMQ, Redis, PostgreSQL, AWS S3, SIP, FreeSWITCH, git, bash.

Software consultant, DK Hostmaster**4 years, 2010 - 2014**

DK Hostmasters self service solution was built using PHP and Oracle SQL. It was migrated to a modern Perl stack, based on Mojolicious.

Working with Linux, PHP, Perl, Mojolicious, Oracle SQL, SVN, bash.

Philip Dein

Software consultant.



2015	Software technician apprentice at Daman (until 2018)
2016	1st line supporter at Surftown (until 2017)
2016	Completed Cisco Certified Network Associate certification
2018	Junior software consultant at deranged
2020	Software consultant at deranged

Philip loves delivering working software to customers that solves real problems. The work of finding solutions to problems faced by customers is what drives his work. It's not worth it, to build things that nobody will use.

In his day-to-day work Philip emphasized the need for communication and knowledge sharing in the development team, ensuring that nobody becomes a bottleneck in the team. Finally, Philip cares about ensuring that delivery can always happen, making sure that there is always a functional version of the software he is building, and that changes can be easily and continuously integrated.

By abstracting away many of the traditional concerns that usually apply to software infrastructure, through modern technologies such as Docker and Kubernetes, Philip helps make continuous delivery easy.

Familiar technologies

Programming languages

C#/.NET
Node.js
Javascript
AL
HTML
CSS

Web frameworks

ASP.NET MVC
Sails.js
Express
Fastify
Vue.js

Testing frameworks

Jasmine
Mocha

Database Technologies

MongoDB
MSSQL
MySQL
Postgres

Other Technologies

Linux
Windows Server
Git
Kubernetes
Docker
Business Central
Azure
Azure AD

Expanded experience

Platform engineer, Det Digitale Folkebibliotek (with Reload A/S)

2024- (ongoing)

As a subcontractor for Reload A/S, we took over the responsibility for the infrastructure running the new public libraries' websites. We prepared for and executed the launch of almost 100 libraries on the platform, modifying and scaling the infrastructure as needed. We provided feedback mechanisms and ways to investigate running code for Reload's developers, who were the main developers of the new websites.

We set up various dashboards to help the infrastructure team, developers and other stakeholders understand the state of the infrastructure. This involves picking and choosing the right abstractions to expose to different stakeholders, to provide useful information without overwhelming.

Working with Kubernetes, Azure Kubernetes Service, Lagoon, Terraform, Keycloak, bash, Grafana, Loki, Prometheus, MariaDB.

Software development, Københavns Stadsarkiv

1 year, on/off

Working on kbh billeder.dk. Primarily on asset series related things, such as display series, indexing, creating and deleting series.

Primarily in Node.js, Pug, Elasticsearch, Kubernetes, Github Actions, Circle CI, MongoDB, Docker containers.

Software development MarMar Copenhagen

1.5+ years on/off

Mostly work in regards to uploading collections.

Working with Vue, Vuetify, Node.js, express, MongoDB, Kubernetes, Gitlab CI/CD, Docker containers, Shopify API.

Software development and project lead, Fischer Lighting

3+ years on/off

Building internal business tooling and integrating various business systems to lessen workload on employees and enable scaling. Started off from an existing legacy application, slowly and sustainably replacing it with a modern application.

Last year we began integrating their Microsoft Dynamics suite tools into the new system.

Working with Vue, Vuetify, Node.js, express, MongoDB, Kubernetes, Gitlab CI/CD, Docker containers, Business Central, AL.

Internal projects, deranged

5+ years on/off

Setting up internal infrastructure and automation for the company as well as working on internal products for sale to customers.

Working with Kubernetes, Docker containers, Node.js, Svelte, Vue, HTML, CSS, Javascript, Gitlab CI/CD, MongoDB, Postgres, eleventy.

Software development, The Hablab**1 year**

Building the Klikkit product backend for the medicinal industry, including adhering to HIPAA and GDPR regulations for medical data.

Working in Node.js, Vue, MongoDB, Kubernetes, Docker containers, Jenkins CI.

Anders Lysgaard Enghøj

Staff software consultant. BSc Web Development.



2014	Student developer at Newsquid
2015	Student developer at Yacc.io
2016	Graduated BSc Web Development at Copenhagen School of Design and Technology
2016	Co-founded Mærkelex.
2016	Web developer at Yacc.io
2017	Frontend developer at Danske Spil A/S
2019	Senior software consultant at deranged
2022	Staff software consultant at deranged

Anders has 8 years of experience making frontend software in production. He enjoys collaborating with customers in order to find and build the best solution for them. Working in a team and having a mutual goal is what drives Anders in the day-to-day. Anders thrives optimizing the work process and when people with different competencies come together to create new and improved solutions. He's also always developing himself and his skills.

For 1.5 years, Anders worked as a full-stack developer with a small team in a mid-sized multinational corporation. Anders quickly integrated into the client's tech stack, and worked with their project leads, graphic designers, and users to define and complete tasks on a daily basis. He also helped the team to improve their tasks management processes, as well as introducing code-reviews in their pipeline.

Familiar technologies

Programming languages

Javascript
Python
PHP
Node.js

Web frameworks

Express
Django
React
Vue.js
Angular.io
Svelte
Astro
Tailwind

Testing frameworks

Mocha + Chai
pytest

Database Technologies

MySQL
MongoDB
ElasticSearch

Other Technologies

Git
Docker
Photoshop
Sass
Less

Expanded experience

Software development and platform engineering, Digitaliseringsstyrelsen (with Uselt Danmark and Special Minds)

2024- (ongoing)

As a subcontractor for the consortium made up of Uselt Denmark and Special Minds, we are responsible for the software development on the Webtilsyn.dk web accessibility audit platform for public sector websites in Denmark.

At the same time, we are working on new development of new tools related to web accessibility, including the new WAS platform for web accessibility statements.

Primarily in: Node.js, Vue, Vuetify, Kubernetes, Docker, Rancher, GovCloud.

Software development, Arkivfinder, Københavns Stadsarkiv

2023- (ongoing)

We were the full stack development team building Arkivfinder, a green field project for city archives in Denmark. It integrates with a newly built archival system (Asta), and provides public searchable access to assets in archives, as well as the entry point for citizens to requisition materials, used for academic and amateur research.

We built a scalable infrastructure, and created an architecture that maximizes resilience, by isolating different potential complexities from each other. Even if a third party service - or even the Elasticsearch instance that supports search - is non-functional, the system will remain mostly functional. Building with Astro allowed for interesting analyses of performance, optimizing for user experience, which means minimizing work performed when a user performs a request, instead pushing the work to the time of changes being made.

We worked with accessibility evaluators to ensure the site was implemented in full compliance with WCAG 2.0 AA before launch, workshopping several solutions to schematic problems during the process.

Primarily in: Astro, Svelte, Node.js, Keycloak, Matomo, Github Actions, Kubernetes, Amazon EKS, Docker, git, MongoDB, Postgres, bash, NemLog-in, Grafana, Loki, Prometheus.

Software development, NORORM (with Kabell & Munk)

2021-2022

As a subcontractor for Kabell & Munk, we took over the responsibility of maintaining and expanding the NORORM customer facing website. We developed a custom UI component library in collaboration with the NORORM content team. This library enables them to independently and quickly modify and expand the company website to meet their marketing needs. After this the maintenance needs of the website were minimal and our team could switch to development of crucial internal tools.

We developed internal business tools, including an automated Bill of Materials system that uses QR scanning technology to register material deliveries and track missing items required to complete

orders. Additionally, we integrated with Pipedrive CRM to automate customer-facing order flows, based on real-time customer data and status. For each customer, a personalized dashboard was automatically generated using data collected by the CRM team, allowing the rest of the sales process to be managed online through the dashboard interface.

Working with Python, Django, React, Wagtail CMS, HTMX, Alpine.js, Pipedrive.

Software development, Kbh billeder.dk, Københavns Stadsarkiv 2020- (ongoing), on/off

We worked with Københavns Stadsarkiv's internal team to provide a user experience for the public when interacting with the data available in the Link-lives.dk project.

We build the frontend, integrated into a CMS, including interaction with the underlying Elasticsearch, while the city archive's team handled data ingress and maintenance into the Elasticsearch instance. We eventually took over maintenance responsibilities for the Elasticsearch as well.

An API for authorized user actions was initially prototyped internally in Københavns Stadsarkiv, but we took over responsibility for it and continued development of new features, including exporting large datasets as Excel spreadsheets and performance optimizations.

We worked with accessibility evaluators to ensure the site was implemented in full compliance with WCAG 2.0 AA before launch.

Primarily in Angular, C#, Elasticsearch, ASP.NET MVC, Auth0, Wordpress, Travis CI. Secondary technologies include MSSQL, AWS Elastic Beanstalk, bash.

Software development, Fischer Lighting 2019-2022, on/off

We assisted Fischer Lighting in building internal business tools and integrating various systems to reduce employee workload and support scalability. By leveraging a Material Design UI framework, we were able to move quickly while maintaining a focus on usability and a user-friendly interface. A key aspect of the project was selecting the most suitable components for each data visualization case. Collaborating closely with the Fischer Lighting employees, we fine-tuned the dashboards, tables, and forms to meet their specific needs and workflows.

Working with Vue, Vuetify, Node.js, express, MongoDB, Kubernetes, Gitlab CI/CD, Docker containers, Puppeteer.

Frontend developer, Danske Spil 2016-2018

We helped expand and maintain danskespil.dk, with updates that would benefit all their various sub-brands, such as Lotto, Oddset, etc. Each brand's individual color scheme and design elements was extracted as variables and passed into a generalized UI component library, that could then be used across the entire online platform. When a brand requested new or updated

components, every other brand benefitted as well, while also allowing the content creators to only having to learn to use one CMS to manage multiple brand pages.

We also did massive CSS overhauls to prune the codebase of unnecessary code and optimize the webpage for phones and tablets, on which it did not perform well.

Working with Javascript, Less, Sitecore.

Software development, Mærkelex

2016-, on/off, ongoing

Building a webshop from scratch including business automation.

Working with Jekyll, Node.js, PWA, Postgres, Braintree Payments, Billy's Billing API, Kubernetes, Docker containers, Gitlab CI/CD.

Software development, Newsquid

2014-2015

Building micropayments solutions, a blog platform, and anti-adblocking for publishers.

Working with Ruby on Rails, PHP, Javascript.

Haidar Almajedi

Software consultant. BSc Web Development.



2020	Software consultant at deranged
2025	Graduated BSc Web Development at Copenhagen School of Design and Technology

Haidar loves finding new and innovative ways to solve complex problems. He is a problem solver at heart and very often throws himself at ones without clear solutions, racking his brain for hours until he has a clear path forward, even forgetting to eat sometimes — the last part he is still working on.

Beyond technical expertise, Haidar has learned through experience that effective communication is key to building successful products. He believes that most challenges can be resolved more efficiently through clear communication, both within teams and between teams and stakeholders.

Haidar joined Deranged early on in his software career, which allowed him to learn good and efficient ways of building maintainable software right from the beginning. Since then, he has worked with multiple clients, listening to their needs and implementing sustainable solutions according to those needs.

Working with a diverse range of clients alongside other Deranged team members, has given Haidar a robust arsenal of technologies and a solid knowledge base, which he uses to build better products. Still, he constantly works on improving himself and learning new things. For Haidar, coasting on what you have is like a slow, painful death. Not improving is the same as declining.

Familiar technologies

Programming languages

Javascript
Node.js
HTML
CSS
Dart
Python
Typescript
C#

Frameworks/ Libraries

Express
Svelte/Sveltekit
Tailwind
React
Flutter
Astro
Vue

Testing frameworks

Jasmine
Cucumber

Database Technologies

Postgres
MongoDB
ElasticSearch
ArangoDB
MinIO

Other Technologies

Git
Docker
Kubernetes
Shell Scripting
Gitlab CI
Github Actions
Digital Ocean
Chrome extensions

Expanded experience

Note that several of these points in experience overlap in time as they have been part-time consultancy engagements.

Software development, Arkivfinder, Københavns Stadsarkiv 2023- (ongoing)

We were the full stack development team building Arkivfinder.dk, a green field project for city archives in Denmark. It integrates with a newly built archival system (Asta), and provides public searchable access to assets in archives, as well as the entry point for citizens to requisition materials, used for academic and amateur research.

We built a scalable infrastructure, and created an architecture that maximizes resilience, by isolating different potential complexities from each other. Even if a third party service - or even the Elasticsearch instance that supports search - is non-functional, the system will remain mostly functional. Building with Astro allowed for interesting analyses of performance, optimizing for user experience, which means minimizing work performed when a user performs a request, instead pushing the work to the time of changes being made.

The solution integrates with NemLog-in as an authentication provider for citizens wanting to access and requisition archival material. We integrated NemLog-in's OIOSAML protocol with Keycloak's SAML adapter, including support for citizens whose addresses are protected and who appear under pseudonym in the system. We provided a separate possibility for logging in without MitID for users tied to archival institutions, who instead use professional email addresses and passwords as authentication. The system is built to treat personally identifiable information (PII) safely, and minimize the amount of minimize the amount of PII collected.

The Arkivfinder system comes with built-in cookieless analytics which tracks no personally-identifiable information. This is implemented using the open source analytics software Matomo.

We worked with accessibility evaluators to ensure the site was implemented in full compliance with WCAG 2.0 AA before launch.

Primarily in: Astro, Svelte, Node.js, Keycloak, Matomo, Github Actions, Kubernetes, Amazon EKS, Docker, git, MongoDB, Postgres.

Software development, Tech Scaleup 2021-2022, 7 months

This case has been anonymized. References available by request.

Working in a two-man team to build an entire product crawling and analyzing websites from scratch. The work also included making tools for automating business processes and providing administrative interfaces for the relevant stakeholders to interact with the application.

Using Node.js, Typescript, express, Google Cloud {Run, Compute Engine, Build, Container Registry}, Docker containers, MongoDB, Postgres, Sass and chrome extensions.

Software development, Fischer Lighting**2020-2022, 1.5+ years on/off**

Building internal business tooling and integrating various business systems to lessen workload on employees and enable scaling. Started off from an existing legacy application, slowly and sustainably replacing it with a modern application.

Working with Vue, Vuetify, Node.js, express, MongoDB, Gitlab CI/CD, Docker containers.

Software development, Københavns Stadsarkiv**2021-2022, 3 months, on/off**

Working on the kbhbilleder.dk and link-lives.dk online platforms.

Working in Node.js, Tailwind css, Pug, MongoDB, Docker containers.

Internal Projects, deranged**2020- (ongoing), 4+ years, on/off**

Setting up internal infrastructure and automation for the company as well as working on internal products for sale to customers.

Working with Docker containers, Node.js, Svelte, Vue, HTML, CSS, Tailwind css, Pug, Javascript, Gitlab CI/CD, MongoDB, Postgres, eleventy, Toggl API, Billy's Billing API.

Simon Paul Spinola

Staff Business and Operations consultant. MSc International Development & Global Studies.



2007	Founder and Managing Director at Ning Jing Tea Ltd.
2008	Graduated BSc Technological Society Planning + Environmentalism from Roskilde Universitet.
2008	Founder and Managing Director at TeaRefuge Ltd.
2010	Print and Visual Media Journalist at Pitt Media Group - Cook Islands
2011	IT Support Specialist at AIS 2000 CARDIFF LIMITED
2012	Co-Founder and Managing Director at First4Fishing (First4Leisure.com Ltd).
2020	Rights Manager UK, Denmark & Baltics at Copyright Agent A/S.
2022	Graduated MSc International Development + Global Studies from Roskilde Universitet.
2022	Business Manager at Copyright Agent A/S.
2022	Senior Business Manager at Copyright Agent A/S.
2023	Business Development Director at Copyright Agent A/S.
2024	Staff Business and Operations consultant at deranged.

Simon is an experienced entrepreneur, business director and operations manager who specialises in collaborating with businesses, understanding their operational needs, and helping them optimise business processes through effective automation and AI solutions.

He has held the position of Managing director at multiple firms in his native Wales, and has over a decade of business experience working with both B2B and B2C companies. Simon has a wealth of leadership, practical industry insights, and hands-on expertise to draw from.

Simon holds certifications in several business tools, for example CRM systems, and has been responsible for integration of LLM systems into company workflows.

Simon holds a MSc in International Development and Global Studies from Roskilde University (2022), where his thesis covered Qatar's economic transition from a hydrocarbon economy to a knowledge-based economy. Simon has an interest in AI and automation use cases and in building better businesses.

Familiar technologies

AI	Automation Software	CRM Software	Marketing	Other Technologies
Canva AI	HubSpot	Close	Active Campaign	Adobe Photoshop
ChatGPT	Make	Hubspot	Google Ads	AHrefs
DALL-E 2	Pipedrive	Microsoft Dynamics	HubSpot	Billy
Fathom AI	Zapier	Monday.com	LinkedIn Ads	Canva
Google AI Studio		Odoo	Mailchimp	Figma
Google Gemini		Pipedrive	Meta Ad Service	Looker
HubSpot AI		Salesforce	Pipedrive	Notion
Intercom FinBot AI		Trello		Revolut Pay
Jasper		WebCRM		Semrush
Mistral AI - Le Chat		ZenDesk		StoreFeeder
Notion AI				Stripe
Perplexity AI				Surfe
Pipedrive AI				Typeform
				Webflow

Expanded experience

Automation Setup, Penly.dk 2024- (ongoing)

Simon has been working as an external contractor to optimise business workflows for Penly.dk (Teal Business ApS).

The work includes utilising Zapier to integrate Penly's internal platform with their CRM system, WebCRM, in order to enable automated data transfer. This work is ongoing with the aim of increasing productivity and speeding up workflows for their CRM users.

CRM Implementation, Næste A/S 0.5 years, 2024

Set up, onboarding and automation of CRM platform HubSpot.

The work has included implementation of HubSpot automations to increase productivity and speed up workflows in their sales department alongside a bespoke sales pipeline setup to incorporate their unique sales process.

AI Implementation, Copyright Agent A/S

1 year, 2023-2024

Lead for implementation of internal AI chatbot assistant trained on internal company data that facilitated case management team to more quickly respond to inquiries from legal counterparties, accounting for language, and legal jurisdiction.

The project resulted in faster workflows for case handlers, and facilitated case handlers being able to effectively manage greater numbers of cases.

Automation Setup, Copyright Agent A/S

2.5 years, 2021-2024

Simon implemented wholesale changes in company operating procedures, including CRM updates utilising Pipedrive automations, facilitating a four fold increased case handling capacity for case handlers without increasing labour costs.

Project Lead, Copyright Agent A/S

2023 - 2024

Lead for SEO/Reputation Management team incorporating implementation of advertising on Google, Meta and LinkedIn alongside content marketing initiatives including blogs, newsletters, news articles etc, for the purposes of brand and reputation management.

As a result of this work the company experienced a decrease in complaints about the legitimacy of the company from counterparties and increased case win rates.

Product Lead, Copyright Agent A/S

1 year, 2023

Developed and led the design of a new UX product, the Counter Party User Interface, that automated case creation from data in the CRM system allowing for centralised case opening on a large scale leading to a more stable and predictable case opening flow. Reduced time taken to open a case from 30 minutes to a few seconds per case. The user interface facilitated both document sharing with end users and payments across multiple markets and in multiple currencies, formerly manual tasks further reducing administrative bottlenecks and improving payment rates whilst also reducing case handler workloads.

Product Lead, Copyright Agent A/S

6 months, 2021

Lead for creation of a Copyrighted Text infringement detector, creating software capable of identifying copyright infringements of client copywriting. Led the team from design phase to creation of an MVP through to launch within 6 months.

As a result of this work the company was able to market a new product to it's clients, and roll out text infringement cases across the nordic markets resulting in increased turnover and case quantity, thereby improving revenue.

Project Lead, First4Fishing Ltd
2 years, 2017-2019

Product listings migrated from a single platform (eBay) to multiple platforms via StoreFeeder inventory management software, facilitating a 400% year on year growth of product inventory after implementation and an 1800% increase in stock levels over a 5 year period.

This implementation simultaneously reduced staffing requirements for inventory management facilitating staff migration to packaging. As a result of inventory being listed across multiple sales platforms via StoreFeeder including eBay, Amazon and company websites the company experienced strong business growth.

Product Lead, AIS 2000 CARDIFF LIMITED
1.5 years, 2011-2012

Lead for development of bespoke CRM to facilitate multi stakeholder inputs into legal cases being collated into a single exportable case file that could be presented to clients in their preferred format facilitating increased processing capacity without increasing staffing costs.

As a result of this implementation the company was able to increase caseload on case workers and align case layouts across their entire remote case team.

Lucas Patrick Hayes

Junior software consultant.



2023	Graduated HTX mathematics and programming H.C. Ørsted Lyngby.
2023	Trainee software developer at deranged
2024	Junior software consultant at deranged

Lucas is a young go-getter of a software developer. He loves solving complex problems and putting them into code.

Familiar technologies

Backend

Node.js
MongoDB
Postgres

Frontend

React
Next.js

Expanded experience

Software development, Mærkelex

2023-, ongoing

Building the Mærkelex webshop platform, and developing a new platform of efficiency tooling for scouts, yet to be released.

Maciek Odrowaz Zelezik

Software developer. MSc Medialogy, MSc Wireless and Multimedia Technology



2017	Graduated MSc Wireless and Multimedia Technology from Warsaw University of Technology
2019	Frontend developer in Softman S.A. (until 2022)
2021	Software developer in PatchXR ApS (until 2023)
2022	Graduated MSc Medialogy from Aalborg University
2024	Software developer in deranged ApS
2024	Frontend developer in Missing Link AS / Monax

Maciek began his scholarly career within the field of creative music technology. He developed a keen interest in programming languages and innovations in music interfaces. He has expanded his technical skills by learning scripting and programming and has gained significant professional experience in frontend development. His further academic research has been focused on human perception and interaction design.

As a developer Maciek focuses on creating scalable web applications following modern standards. During his technical studies, he gained a strong understanding of various engineering domains and computer technology and solidified his engineering skills in both an established fin-tech company, and an innovative pioneering tech startup.

Maciek's colleagues describe him as reliable, supportive and respectful. He takes ownership of his work, has great time management skills and is driven by results, but he also appreciates learning along the way. He is a hardworking person with an eye for detail, and while he doesn't mind the occasional mundane task, he thrives on automating and optimising work for his team and himself.

Familiar technologies

Programming languages	Web Frameworks	Other Technologies
Node.js	Angular	Git
Javascript	React	GitHub Actions
TypeScript	Vue.js	GitLab CI/CD
HTML	Svelte	Docker
CSS	Tailwind	Sass
bash		Zabbix
C#		Unix
Python		

Expanded experience

Web development and frontend work for Missing Link AS / Monax 2024 - (ongoing)

Maciek has been appointed Lead Frontend Developer for Missing Link AS / Monax, tasked with creating a new company website and redevelopment of the Monax Application.

Working with React, JavaScript, HTML, CSS, Material UI

Internal projects, deranged ApS 2024 - (ongoing)

Developed company portfolio website, blog features, worked with sustainable and future proof technological stack creating modular frontend system.

Working with JavaScript, HTML, Docker, Jekyll

Software developer, PatchXR ApS 2021 - 2023

Designed and implemented automated builds pipeline from ground up, enabling subsequent and continuous development for the product.

Contributed to regular app updates released following Agile approach. Actively took part in development of new app features.

Continuously supported users - translated technical concepts to actionable solutions to maintain customer satisfaction. Lead the communication with customers regarding specialised topics, contributing to the progression of the departmental roadmap.

Working with CI/CD, GitHub Actions, Git Workflow, Unity, C#

Frontend developer, Softman S.A.
2019 - 2022

Built web applications - from prototyping, through design up until release and support of accessible and scalable web applications for numerous big clients.

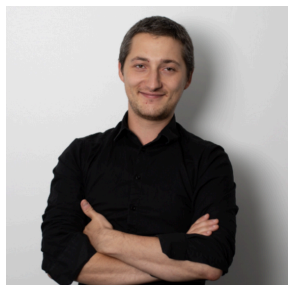
Configured and maintained repositories with CI/CD. Collaborated in maintenance of the internal technological architectures and further collaborative DevOps tasks.

Future-proofed the department by creating reusable, durable new assets for custom Angular libraries. Established and maintained documentation processes.

Working with GitLab, TypeScript, HTML5, Sass, Node.js, Angular, Angular Material UI, REST API, YAML, Docker, Zabbix

Simon Shine

Senior software consultant. BSc Computer Science.



2007	Software consultant: PHP, Drupal at Preview Networks, Metroselskabet
2008	Systems administrator: Drupal and Linux at Enhedslisten
2009	Teaching Assistant: BSc and MSc courses at University of Copenhagen
2012	Systems administrator: Drupal, Linux and cost-cutting at Globalnyt.dk
2012	Student software developer: C# and ASP.NET at cBrain
2015	Software Developer: C#, low-latency trading algorithms at Alipes Capital
2017	Software Developer: Perl back-ends, training devs, and Vue.js at Jobindex
2020	Senior Software Developer: De-Fi R&D, compilers and smart contracts at eToro Labs
2021	Senior Software Developer: Kubernetes, Terraform, PHP, KYC, compliance at Penneo
2022	Senior Blockchain Engineer: zero-knowledge cryptography in Rust at Triton Software
2023	Senior Software Engineer: Rust firmware for EV chargers at Nerve Smart Systems
2024	Senior Software Engineer: Rust + Nix for mine-seeking drones at UMAG Solutions
2024	Adjunct Lecturer: Teaching Computer Science at Erhvervsakademi København
2025	Senior Software Consultant at deranged

Simon is a versatile software developer with experience in fin-tech, cryptography, manufacturing.

Simon has extensive teaching and training experience, having been a classroom teaching assistant at university 2009-2015 in a dozen BSc and MSc courses. Simon rediscovered his love of teaching while training new software developers at Jobindex. He is an adjunct lecturer, and he really enjoys learning and sharing knowledge.

Simon has professional experience with full-stack web development in multiple languages and technologies, experience writing peer-to-peer networking software, compilers, smart contracts, and firmware for battery systems, EV chargers, and radio transceivers for drone systems in Rust.

Simon's passion is declarative, observable infrastructure (Kubernetes, Nix, Terraform), type-safe and memory-safe programming in Rust and TypeScript. Simon has contracted for startups since 2022 and has tried being employee number 1, and the first employee after an acquisition.

Simon is cooperative, patient and doesn't mind being interrupted. He finds ways to contribute to teams by complementing their existing culture, e.g. through breaking down cultural barriers around pair-programming, code reviewing, and by introducing workflow automation.

Familiar technologies

Programming languages	Web Frameworks	Testing methodologies	Cloud / DevOps Technologies	Database Technologies
Rust	ASP.NET MVC	Unit testing	Git	Postgres
Haskell	Spring Boot	Mock testing	GitHub Actions	MySQL
C#	Django	Integration testing	Ansible	MSSQL
Java	Flask	Spec-testing	Nix / NixOS	SQLite
Erlang	Express	Property testing	Linux	InfluxDB
OCaml	Vue.js	Probability testing	Terraform	Redis
Scala	Leptos	Fuzzing	Docker Compose	
C	Axum	Hardware-in-the-loop testing	Kubernetes	
Perl		Distributed tracing	Helm	
Python				
JavaScript				
TypeScript				
PHP				
sh/bash/zsh				

Expanded experience

DevOps at deranged

Apr 2025 - ongoing

Role: Senior Software Consultant

Teaching Computer Science at Erhvervsakademi København

Apr 2024 - ongoing

Role: Adjunct Lecturer

About: I sometimes teach 3rd semester students Java, Spring Boot and technology for software development, including how to deploy applications using Docker on Linux. I also sometimes teach 4th semester students C programming and algorithms and data structures.

Main achievements: Cooperate with CTO to onboard the entire school on GitHub Enterprise.

Main tools: Java, Spring Boot, JavaScript, Vue.js, GitHub Actions, Docker Compose

Rust + Nix for mine-seeking drones at UMAG Solutions

Aug 2024 - Apr 2025

Role: Senior Software Engineer

About: UMAG Solutions attaches magnetometers to drones and flies them over fields and waters to detect mines. I have worked on firmware for radio transceivers, as well as on-premise CI systems for automated testing of firmware on real hardware.

Main achievements: Deploy ephemeral NixOS on Raspberry Pi using a mixture of precompiled SD-card images and remote deployment. Automatically configure radio transceiver via UART and type-state in bare-metal Rust.

Main tools: Bare-metal Rust, STM32 MCU, NixOS, Saelae logical analyser, Azure Pipelines

Rust firmware for EV chargers at Nerve Smart Systems

Mar 2023 - Aug 2024

Role: Senior Software Engineer

About: Nerve Smart Systems makes high-power electric-vehicle chargers. My role as a software engineer involved firmware development in Rust and C, software project management, customer relations with key customer.

Main achievements: I contributed significantly to the EV charger being able to self-recover. I introduced CI and linting, popularised a pull request workflow, and performed multiple business-critical performance optimizations (battery, control engineering). I dealt with customer relations and deliveries that resulted in sales. I managed 90% of my team's issue tracking using 15% of my time. I worked with battery management, interfacing with the car, control engineering (delivering voltage and current), actor-based software architecture between hardware units.

Main tools: Linux (Debian, NixOS), Rust, PIC16F C, Docker, GitHub Actions, GHCR, Raspberry Pi.

Zero-knowledge cryptography in Rust at Triton Software

Jan 2022 - Mar 2023

Role: Senior Blockchain Engineer

About: Triton Software is a Swiss company that makes post-quantum zero-knowledge cryptography. As the first employee (contractor), my work consisted of co-authoring a prime-field math library, and a virtual machine that can provide arbitrary (zero-knowledge) proofs about the execution of its programs. I also wrote large parts of a cryptographic verifier in Triton VM assembly, as well as a compiler from a subset of Rust to Triton VM assembly. See zudoku.xyz for an example.

Main achievements: Implement many performance optimizations, two zk-STARK engines, introduce CI, self-hosted DevOps, website management, onboarding and open-sourcing.

Main tools: Linux (Debian, Arch), Rust, Triton VM assembly, Gitea, GitHub, Terraform.

Kubernetes, Terraform, PHP, KYC, compliance at Penneo

Jan 2021 - Jan 2022

Role: Senior Software Developer

About: Penneo does digital signatures of legal documents and KYC for auditors and accountants. I was hired after Penneo had acquired a startup to onboard the startup's KYC product into Penneo's compliant AWS cloud running Kubernetes, and train the team in compliant git workflows.

Main achievements: Migrate KYC system from BitBucket to GitHub, port KYC system to legally compliant Kubernetes infrastructure, and set up legally compliant CI and CD so that all changes to source code and production leave an audit trail.

Main tools: Linux, PHP, TypeScript, Express, Vue.js, Docker, Kubernetes, Helm, Terraform.

De-Fi R&D, compilers and smart contracts at eToro Labs

Apr 2020 - Sep 2020

Role: Senior Software Developer

About: eToro Labs does de-fi (decentralised finance) and cryptocurrency R&D. I maintained and developed a smart-contract compiler for time-locked derivatives. I co-authored a decentralized perpetual-futures exchange implemented on Ethereum. I did Kubernetes infrastructure for asset staking, which means deployment of blockchain nodes in an ultra-secure setup for the purpose of collecting interests on customer funds.

Main tools: Linux, Haskell, Java, C#, Solidity, Docker, Kubernetes, Helm.

Perl back-ends, training devs, and Vue.js at Jobindex

Sep 2017 - Apr 2020

Role: Software Developer

About: Jobindex is the biggest job site in Denmark. I worked as a full-stack developer.

Main achievements: I modernised the two main attractions for driving traffic: The “Check Your Salary” and the “Personality Type Test” apps both rewritten in Vue.js pioneering Jobindex’s then new design system. I made mobile app APIs REST-ful. I managed student workers and trained new hires since mid-2018.

Main tools: Linux, Perl, Solr, git, MySQL, Vue.js.

C#, low-latency trading algorithms at Alipes Capital

Jun 2015 - Dec 2016

Role: Software Developer

About: Alipes Capital is a small hedge fund that specializes in low-latency algorithmic trading. As a software developer I implemented quantitative trading algorithms, performed maintenance tasks, and optimized the in-house high-performance PDF parser.

Main achievements: Implemented *Schedule 13D*-based trading algorithm, migrated ASP.NET WebForms internal systems to ASP.NET MVC. I fixed a bug that led to the correct re-interpretation of thousands of key figures in PDFs by understanding the similarities between PDF and PostScript.

Main tools: C#, git-svn, MSSQL, ASP.NET MVC, Perl.

C# and ASP.NET at cBrain

2012 - 2014

Role: Student software developer, part-time

About: As a student worker I worked with small customers on legacy platforms.

Main achievements: Made websites responsive on mobile.

Main tools: C#, ASP.NET WebForms, Perforce.

Drupal, Linux and cost-cutting at Globalnyt.dk

2012

Role: Systems administrator / web developer, part-time

About: Maintained and modernised Drupal system, implemented new website design

Main achievements: Paid for my entire salary by cost-cutting cloud budget: I was a net positive.

Main tools: PHP, Drupal, Linux.

Teaching BSc and MSc courses at University of Copenhagen

2009 - 2015

Role: Teaching Assistant

About: I taught Functional Programming (5 times), Advanced Programming (MSc, 4 times), Compilers (4 times), Operating Systems and Thread Programming, Programming Language Design, Object-Oriented Programming and Design, three courses on project development across three study programmes. I functioned as a substitute teacher on occasion.

Main achievements: Mentioned positively by name in student course reviews every year.

Drupal and Linux at Enhedslisten

2008-2009

Role: Systems administrator, part-time

About: Working in the Enhedslisten parliamentary group at Folketinget.

Main achievements: Youth campaign during elections. Drupal system to support local groups.

Main tools: PHP, Drupal, Linux.

PHP, Drupal at Preview Networks, Metroselskabet

2007

Role: Freelance Software Consultant

About: Before studying Computer Science, I freelanced a little.

Main achievements: Drupal-based intranet system for Metroselskabet. Proof-of-concept automated video-encoding, upload and website playback for film trailers (pre-YouTube).

Main tools: PHP, ffmpeg, Autolt, Linux.

Lea Schacht Lund

Senior Consultant. BA Psychology and Business Administration, Copenhagen Business School



2020	Graduated BSc Psychology and Business Administration, Copenhagen Business School
2020	People and Business Manager at Copyright Agent A/S
2022	Customer Director at Copyright Agent A/S
2024	Customer Success Specialist, Missing Link AS / Monax
2024	Senior Consultant at deranged.

Lea is an analytical and results-driven professional with a strong passion for leveraging technology to optimize processes and drive impactful business solutions. With a background in Business Administration and Psychology, Lea specializes in customer relations, project management, and operational efficiency, helping businesses improve processes and drive growth.

Lea has held leadership and strategic roles in both SaaS and service companies, managing customer operations, sales, and team leadership. She has a strong track record of helping teams succeed by technological adaption, project management, streamlining workflows, and fostering strong external partnerships to support commercial growth and innovation.

Lea holds a Bachelor's degree in Business Administration and Psychology from Copenhagen Business School (2020), where her thesis explored the connection between self-leadership and organizational culture in a highly specialized IT company. She has a keen interest in digital transformation, AI, and organizational well-being .

Familiar technologies

AI	CRM Software	Marketing	Other Technologies
Canva	Close	Google Ads	
ChatGPT	Hubspot	HubSpot	Notion
DALL-E 2	Microsoft Dynamics	LinkedIn Ads	Monday
Google Gemini	Pipedrive	Meta Ad Service	Typeform
	ZenDesk	Pipedrive	Midjourney
	Monday		

Expanded Experience

Customer Specialist, Consultant, Deranged

2024 - Present

Lea is responsible for managing commercial tasks and developing internal service offerings within Deranged, a B2B technology service provider. Her role includes selling DevOps, RevOps, CRM setup, website upgrades, and automation services. Additionally, she supports commercial activities for external clients.

Customer Success Specialist, Missing Link AS / Monax

2024 - Present

Lea is responsible for driving customer engagement, retention, and satisfaction for Monax's SaaS platform. She serves as the primary point of contact for key accounts, supporting them with onboarding, training, and ongoing optimization of their CRM and automation solutions. Through her work, Lea strengthens Monax's position as a trusted partner for investment and pension advisors, helping businesses streamline their operations with Monax.

Customer Director, Copyright Agent A/S

2022 - 2024

Lea played a pivotal role in customer retention, strategic onboarding, and relationship management for key accounts, managing clients with annual revenues ranging from DKK 100,000 to DKK 7,000,000. She developed and executed customer retention strategies, improving satisfaction and renewal rates.

She also managed cross-departmental projects, collaborating with the engineering team to ensure optimal product development that aligned with business needs. Additionally, Lea designed and launched the company's first referral program, successfully driving customer engagement and business growth.

As a leader, Lea managed a team of nine employees (remote and onsite), implementing transparency structures, self-leadership principles, and 360° feedback loops to drive high team performance and retention.

People, Culture & Business Manager, Copyright Agent A/S

2020 - 2022

Lea played a key role in shaping the organizational structure and culture at Copyright Agent A/S, ensuring a strong foundation for business growth and employee engagement. She was responsible for leading recruitment efforts, optimizing internal processes, and managing key projects to enhance operational efficiency and stakeholder collaboration. Through her efforts, Lea contributed to high employee retention, a strong company culture, and an optimized operational framework that supported business growth.

Education

Bachelor in Business Administration and Psychology, Copenhagen Business School

2017 - 2020

Lea's academic background combines business strategy with psychological insights, providing her with a strong foundation in organizational behavior, decision-making, and data-driven problem-solving. Her early interest in technology shaped her choices of electives to include subjects like Technology & Organization and Statistics.

Her studies covered key areas such as organizational theory, leadership, microeconomics, statistics, and human resource management. This interdisciplinary education has equipped her with strong analytical skills, a structured approach to problem-solving, and a keen understanding of how business strategy and human behavior intersect.

Bachelor's Thesis:

A qualitative study on the connection between self-leadership and organizational culture in a highly specialized IT company.

Honors & Awards

1st Year Case Competition Winner, Best in Programme (2017). Copenhagen Business School

Anne Thyme Nørregaard