deranged
Team CV

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
- 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, including Kubernetes and Docker
- 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.

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 software consultant in deranged.
2018	Graduated MSc Software Development and Technology from the IT University of Copenhagen.

Niels is a driven and enthusiastic software developer, 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, and other technologies used in modern application development.

Niels' MSc thesis concerned web application development, exploring various approaches in use in the industry. Additionally, he has strong interests in software security, software development processes, 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	Git
Scala	Ruby on Rails	Tap	MySQL	Kubernetes
Python	React		EventStore	Gitlab CI/CI
F#	Vue.js			Github Actions
Ruby	Svelte			
PHP				
Go				
HTML				
CSS				

Expanded experience

Coach and principal developer, Tech scaleup
9 months
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

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

Software development, Københavns Stadsarkiv
2.5+ years, on/off
Working on the kbhbilleder.dk and link-lives.dk online platforms.

Primarily in Node.js, Pug, Angular, Elasticsearch, Kubernetes, Github Actions, Travis CI, Auth0, MongoDB, Docker containers. Secondary technologies include C#, ASP.NET MVC, MSSQL.

Software development and counseling, MarMar Copenhagen
2.5+ years 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.

Working with Vue, Vuetify, Node.js, express, MongoDB, Kubernetes, Gitlab CI/CD, Docker containers, Shopify API, e-conomic API, Thetis Pack.

Software development, 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.

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

Lead architecting and software development, CubeIO
1.5 years
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.

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

Internal projects, deranged
6+ 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, Slack API, Toggl API, Billy's Billing API.

Software development, Mærkelex
6+ years on/off
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, Planday
1.25 years
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.

Software development, The Hablab
1.5 years
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.

Software development, BikeHero
1 year on/off
Maintaining a software platform for bike repairs as a service. Working in React, Django and Python.

Software development, Nybygget
4 months
Building a platform for investing in newly built apartments. Working in Go and React.

Software development, Newsquid
1 year
Building micropayments solutions and a blog platform. Working with Ruby on Rails, PHP, HTML Canvas.

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 CubeIO.
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 a privacy-minded and ethical software developer with an eye for the bigger picture. He cares strongly about the ethics 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.

Asbjørn is an experienced software infrastructure designer and maintainer, and takes a holistic approach to designing applications that 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.

Familiar technologies

Programming languages	Web frameworks	Testing frameworks	Database Technologies	Other Technologies
Node.js	Express	Jasmine	PostgreSQL	AWS
Javascript	Fastify	Mocha	MongoDB	Google Cloud
Perl	Django	Cucumber	CouchDB	Kubernetes
PHP	React		ElasticSearch	RabbitMQ
SML			Redis	Linux
Java			MySQL	Docker
Haskell			Oracle SQL	Git
Erlang				Robusta
Python				ArgoCD
C++				GitLab CI/CD
				GitHub Actions

Expanded experience

Software architecture, The HabLab
1.5 years
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, Git, GitHub, nginx, Prometheus, ElasticSearch, Kibana, LetsEncrypt, fluentd, Robusta, ArgoCD.

Internal projects, deranged
6+ 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, GitLab, Slack API.

Software architecture and development, Fischer Lighting ApS
3+ years on/off
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, andthe 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 Google Cloud, Kubernetes, Git, GitLab, PHP, MySQL, Docker, nginx, LetsEncrypt.

Software architecture and development, BikeHero IVS
2 years on/off
BikeHero IVS 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.

Software architecture and development, Tech Company
6 months
This case has been anonymized. NDA still applies.
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.

Software architecture and development, Small Tech Company
1 year on/off
This case has been anonymized. NDA still applies.
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, AWS ALB.

Software consultant, Cube I/O
3 months
CubeIO A/S had just had a mass-migration of employees and needed help getting an overview of their system landscape. We 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.

Software consultant, Flowroute Inc.
6 months
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 information, 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.

Software consultant, Flowroute Inc.
6 months
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 information, 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.

Software consultant, DK Hostmaster
4 years
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

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	**Web frameworks**	**Testing frameworks**	**Database Technologies**	**Other Technologies**
C#/.NET	ASP.NET MVC	Jasmine	MongoDB	Linux
Node.js	Sails.js	Mocha	MSSQL	Windows Server
Javascript	Express		MySQL	Git
AL	Fastify		Postgres	Kubernetes
HTML	Vue.js			Docker
CSS				Business Central
				Azure
				Azure AD

Expanded experience

Software development, Københavns Stadsarkiv
1 year, on/off
Working on kbhbilleder.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 Software 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

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	Web frameworks	Testing frameworks	Database Technologies	Other Technologies
Javascript	Express	Mocha + Chai	MySQL	Git
Python	Django	pytest	MongoDB	Docker
PHP	React			Photoshop
Node.js	Vue.js			Sass
	Angular.io			Less
	Svelte			

Expanded experience

Frontend developer, Danske Spil
2 years

Expanding and maintaining danskespil.dk, creating a UI component library for the content creators to use in their CMS, as well as general codebase maintenance over several years.

Working with Javascript, LESS, Sitecore.

Software development, NORNORM
1.5 year

Building internal business tooling (automated Bill of Materia, CRM, etc) and user facing order flows and dashboards. Also the creation and Setup of custom UI component libraries.

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

Software development, Københavns Stadsarkiv
2.5+ years, on/off

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

Primarily in Node.js, Pug, Angular, Elasticsearch, Kubernetes, Github Actions, Travis CI, Auth0, MongoDB, Docker containers. Secondary technologies include C#, ASP.NET MVC, MSSQL.

Software development, 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.

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

Software development, Mærkelex
6+ years on/off

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
1 year

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

Working with Ruby on Rails, PHP, Javascript.

Haidar Al-Majedi

Junior software consultant.

2018	Apprentice at Technical Education Copenhagen
2020	Software developer at deranged

Haidar is a student at TEC - Technical Education Copenhagen doing a six year degree in Computer Programming. He spends half his time studying and the other half working at deranged.

He likes trying new technologies and processes and is always open to learning new things. Working side by side with experienced developers, taking in as much knowledge as he could, has prepared Haidar for work in the industry.

Through his time in deranged, Haidar has found the importance of communication to be essential towards a product and a business' success. In his day-to-day work, Haidar emphasizes communication between his fellow developers and business managers.

Familiar technologies

Programming languages	Web frameworks	Testing frameworks	Database Technologies	Other Technologies
Node.js	Express.js	Jasmine	Postgres	Git
Javascript	Vue.js	Cucumber	MongoDB	Docker
Typescript	Svelte			Sass
C#	React			Chrome extensions
Python				

Expanded experience

Software development, Tech Scaleup
7 months
This case has been anonymized. References available by request.
Working in a two-man team to build an entire product from scratch and making tools for automating business processes.

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

Sigurt Bladt Dinesen

Senior software consultant. MSc Software Development.

2014	Algorithmic consultant for Lean/Quniz
2014	Graduated BSc Software Development at the IT-University of Copenhagen
2015	Teacher at Ordup public school, teaching a 10-week programming class
2016	Teaching assistant at the IT-University of Copenhagen, various courses
2017	Assistant Professor at Copenhagen Business Academy
2018	Graduated MSc Software Development at the IT-University of Copenhagen
2018	Software Developer at Ankiro ApS
2019	Co-founder and Developer at Cleardox ApS
2021	Software developer at deranged

Sigurt loves working on problems that have no textbook solutions, diving into and figuring out what the essence of a problem is, and finding the right tool to solve it.

Founding and working in startups has taught Sigurt the value of delivering a product over perfecting it, and of working with customers and partners to learn what provides value for them. He loves to learn, and is constantly reading about new and old technologies to improve his skills/knowledge.

Sigurts master's thesis aimed to bridge the gap between the abstract models developers use to think about programs, and the actual workings of the hardware those programs run on. Understanding this gap leads to simple techniques that trick high-level programming-language runtimes, like Java, to perform well on multicore processors.

Familiar technologies

Programming languages	Web frameworks	Testing frameworks	Database Technologies	Other Technologies
Java	Scotty	Fastcheck	Postgres	Git
Javascript	Express	Quickcheck	MongoDB	Docker
C#	Fastify	Pytest		Kubernetes
Python	Django	JUnit		*nix/shells
F#	JAX			
OCaml				
Haskell				
Go				
Ruby				
Scala				

Expanded experience

Project maintainer, internal project
3+ months on/off
Architecture and development work on good-drive, a deranged project file sharing in volunteer organizations

Working primarily with Node.js, Svelte, Minio/S3, and Postgresql

Developer, NORNORM with Kabell & Munk
4 months full time
Developer on NORNORM with Kabell & Munk, developing and integrating their sales pipeline with in-house technologies.

Working primarily in several Django/Python backends, to integrate their customer facing website with Pipedrive. To a lesser extent working with React.js in the frontend.

Developer, Fischer Lighting
2 years on/off
Development on Fischer-lighting's custom project- and sales-management platform.

Primarily working in the frontend written in javascript, Vue.js, and Vuetify, and less so in the backend running on Node.js, using MongoDB for data storage.

Co-founder and Developer, Cleardox
7 months
Development of a module to read and recreate pdf files with redactions, as well as automated discovery of personal information for redaction in documents. Focusing on the legal sector meant the project had high requirements for security, due to the sensitive nature of stored information.

The pdf module was built in OCaml on top of , using JaneStreet's "standard" OCaml libraries, and the automatic search for personal information in Haskell.

Software Developer, Ankiro
1.5 years
In Ankiro I worked on a small handful of projects, including the design and development of a small programming language for internal use by non-developers. I worked as project-lead on copyfighter, a plagiarism detection system focusing on journalistic articles, where I also oversaw the migration of the existing infrastructure onto Kubernetes.

Most work in Ankiro was done on .NET Framework in C#. The internal programming language was developed using F#, and compiled to .NET's CIL. Copyfighter was initially written in Djano/Python, but was eventually migrated to .NET Core in C# 8, using Google's gRPC for communication between services.

To a lesser extent, I worked with MySQL, MSSQL, PostgreSQL, Elasticsearch, and the Apache Notch web crawler.

Assistant Professor, Copenhagen Business Academy
1 year

Working in a small team of teachers, teaching the third semester on the computer science programme, I designed and taught courses on RESTful webservices, modeling and working with relational databases with Java's object-relational mapping framework, JPA, as well as the fundamentals of concurrent and parallel programming.

Getting to revisit these technologies with the eyes of a beginner, and trying to reduce these high-level concepts to their essence in order to teach them, taught me a lot about the technologies I already knew, and was an incredible experience altogether.