

# Mads Bjerregaard Andersen

## Software Engineer

### Address

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### Contact

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### Skills

Node.js, Java, C#,  
Python, SQL,  
PostgreSQL, NoSQL,  
MongoDB,  
Elasticsearch, Redis,  
Unix, Git, Hadoop,  
REST, Docker,  
Kubernetes, AWS,  
DevOps,  
Microservices

### Languages

Danish  
English

## Summary

Software engineer with a mindset for solving challenging problems. Main skills are solving problems, and learning new paradigms and technologies. A project will catch my attention if it involves some of my professional interests: Functional programming, parallel and scalable systems, designing simple and robust systems, automation, DevOps.

## Experience

- 2020 - 2020 **Software Engineer** [Proper](#)  
Optimized the CI/CD pipeline and worked on integrating e-conomic into their platform.
- 2017 - 2020 **Software Engineer** [GAN Integrity](#)  
The first year and a half I worked on the backend for the Campaign and Training module. The existing product was unstable and the company wanted a complete rewrite using a relational database. The work involved introducing a PostgreSQL database and migrating existing non-relational data into relational data. A year ago I changed role to devops engineer where I automated pipelines and build tools that helped productivity for the other developers in the company.
- 2015 - 2017 **Software Engineer** [Falcon.io](#)  
Developing and maintaining the backend services of the Engage product. This involved moving the project out of a monolithic service and rewrite it into a new and an improved microservice architecture. The product handles millions of messages from social media networks which are stored in a way so the users of the platform have access to their conversations in milliseconds to which they can act on.
- 2013 - 2015 **Software Engineer** [Eniro](#)  
Developing and maintaining a web crawler and a web scraper. The web crawler involved running a Hadoop cluster system that fetched millions of web pages every day. The web scraper automatically identified and extracted entities from the web pages that were fetched by the web crawler.
- 2010 - 2012 **Programmer (Part time)** [IT-University of Copenhagen](#)  
Data visualization and electronic health records. In the project my main responsibility was to develop an integrated development environment that would let non-technical users create their own programs.
- 2010 - 2010 **Teaching Assistant** [IT-University of Copenhagen](#)  
Course: Systematic Design of User Interfaces.

## Education

- 2011 - 2013 **Master of Science in Information Technology** [IT-University of Copenhagen](#)  
Majoring in Software Development and Technology.  
*Thesis: Parallel implementation of SISAL on the JVM*
- 2008 - 2011 **Bachelor of Science in Information Technology** [IT-University of Copenhagen](#)  
Majoring in Software Development