

# Christian Barth Roligheten

Software Engineer with a passion for building great software and great user experiences.

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## EDUCATION

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- **Norwegian University of Science and Technology** Trondheim, Norway  
*Master of Technology* *August 2013 – June 2018*

## EXPERIENCE

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- **Cognite AS** Oslo, Norway  
*Tech-lead & Senior Software Engineer* *January 2022 – present*

Worked as Tech-lead and Senior Software Engineer across different products. Notable products I worked on include:

- **Cognite BestDay**: Production optimization application for aggregating and visualizing production across thousands of oil wells. Worked as tech-lead on this product leading a team of 4 developers.
- **Cognite Maintain**: Maintenance planning application combining workorder management and scheduling with 3D and 2D digital twins to assist in planning turnaround activities. Worked as tech-lead on this product leading a team of 4 developers. Worked as tech-lead on this product leading a team of 5 developers.
- **Cognite Data Modelling**: Core product of Cognite Data Fusion allowing customers to model, store and query for their industrial data. Team currently manages 2 billion instances of industrial data for customers. Working as Senior Software Engineer on core backend services written Kotlin.

*Software Engineer*

*April 2021 – January 2022*

Worked on a solution to detect and visualize abnormal equipment conditions for industrial customers. Worked full-stack on maintaining and improving front-end for visualizing equipment conditions as well as the API used by this service.

- **FINN.no AS** Oslo, Norway  
*Software Engineer* *September 2018 – March 2021*

Working in the core classifieds team as a full-stack developer. Notable projects include:

- **Business Center**: New ad management system for FINN's business customers. Built REST API with Kotlin/Spring and ad-management front-end in React. System now serves over 10k business customers.
- **FINN rental management**: Rental apartment management solution build in cooperation with an external partner. Built REST API in Kotlin/Spring for integrating external rental management system into FINN's technology stack. Also built micro-frontend components in React for onboarding users to this system.
- **Tech Graduate Program 2019**: Part of committee for planning and holding one month long onboarding-program for four graduate software engineers. Responsibilities included coursing in core FINN technologies and a smaller software development project which I mentored.

- **Itera** Oslo, Norway  
*Software Engineer Intern* *June 2017 – August 2017*

Worked in a cross-functional team developing a online car design and ordering solution. Worked as full-stack developer designing and implementing backing API in Node.JS and parts of the frontend with React/Saga.

We took the project from the requirements stage to working solution in the span of our internship. Deployed in October 2017 by the customer for the launch of the Nissan Leaf. Solution had as of 2018 sold over 500 cars.

- **ARM** Trondheim, Norway  
*Software Engineer Intern & part-time Software Developer* *June 2016 – November 2016*

Built framework for parsing, storing and visualizing PPA(Power, Performance, Area) metrics for GPU design simulations using Python, Elasticsearch and Grafana.

Solution was well-received by hardware team. Worked part-time after end of internship improving said framework.

- **Sportradar AG** Trondheim, Norway  
*Software Engineer Intern* *June 2015 – August 2015*

Implemented new features in data-entry system for sports-data. Worked with PHP, Symfony, Coffeescript on both backend and frontend tasks.

## VOLUNTEER WORK

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- **Studentmediene i Trondheim AS**

Trondheim, Norway

*Software Developer & Project Lead*

*February 2014 – August 2017*

Volunteering next to studies as Software developer until June 2015 and then took over as Project lead on the classified website iBok.no. Responsible for both product- and technical development. Led development of full redesign of the site. Negotiated advertising and affiliate marketing deals with some of Norway's largest book-retailers.

## TECHNICAL SKILLS

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- **Languages:** Kotlin, Java, Javascript, Typescript, CSS, HTML, SQL, Python, PHP
- **Technologies:** Ktor, Spring, Elasticsearch, Kubernetes, Docker, PostgreSQL, Apache Kafka, React, Node.JS