

Experience.

Microsoft Oslo, Norway

Senior Software Engineer Sept. 2025 - Present

 I am working on planet-scale backend M365 services using C# that impact millions of people worldwide that use OneDrive, Outlook, and similar M365 applications.

Microsoft Oslo, Norway

SOFTWARE ENGINEER II Nov. 2024 - Sept. 2025

Western Norway University of Applied Sciences

Bergen, Norway

Ph.D. Candidate in Software Engineering

Oct. 2020 - Nov. 2024

- During my Ph.D. I developed many tools, mainly using Java, JavaScript, and Rust, as you can see in the projects below.
- I contributed to open-source projects in the bpmn-js ecosystem, such as bpmn-lint, bpmn-js-token-simulation and diagram-js.
- I was a lecturer and teaching assistant in a course about **Android development** and **Advanced Software Technologies**, i.e., system integration using web services, shared databases and messaging. The programming languages used were **Java** (back-end) and **JavaScript** (front-end).

SET GmbH Hanover, Germany

SOFTWARE ENGINEER Oct. 2018 - Oct. 2020

• I was part of a team **redesigning** the company's old production management system in **Java** that is vital to ensure correct physical mail production of thousands of letters per day. Before that, we implemented an Android app for one of our customers as a hybrid web-app.

Education

Ph.D. in Computer Science (anticipated completion September 2025)

Bergen, Norway

WESTERN NORWAY UNIVERSITY OF APPLIED SCIENCES

Oct. 2020 - Present

• I am working as a Ph.D. student in model-driven software engineering. I research executable models, such as process models and state machines, to find control-flow errors or inconsistencies. As a result, one can find and fix errors early during development, preventing potential significant costs later in the development process.

Master of Science in Information Engineering

Hanover, Germany

FHDW HANOVER

Oct. 2018 - Apr. 2020

- GPA: 4.0/4.0 (Grade A), studying part-time while working full-time as a Software Engineer at SET GmbH.
- Thesis: Development of semantics for the execution of production processes for the production management of the SET GmbH.

Bachelor of Science in Business Computing

Hanover, Germany

FHDW HANOVER

Oct. 2015 - Oct. 2018

- GPA: 3.7/4.0 (Grade A), studying while working at VHV-Group.
- Thesis: Developing a framework for the automated testing of BPMN processes in the VHV.

Skills_

Languages German (native), English (fluent), Norwegian (fluent), French (semi-fluent)

Programming C#, Java (Spring, Gradle), Typescript & JavaScript (Angular, Ionic, HTML, CSS, bpmn-js), Rust (axum, tokio)

Programming Concepts Version Control, Concurrency, OOP, CI/CD (GitHub Actions, Jenkins), Containerization (Azure, GCloud)

Projects

BPMN Analyzer 2.0 Bergen, Norway

RESEARCH PROJECT Nov. 2023 - PRESENT

• I implemented an analyzer in Rust to automatically find, display and fix control-flow errors in a BPMN model by exploring all possible states.

Visual Debugger Bergen, Norway

RESEARCH PROJECT May. 2021 - PRESENT

• I developed an IntelliJ IDEA plugin which visualizes the variables during debugging as an object diagram which has over 10.000 downloads.

 Smart CoP
 Hanover, Germany

 Personal project
 Dec. 2019 - PRESENT

· I created an Android app and a progressive web app for gymnastics, which automatically calculates the difficulty score for gymnastic routines.