

## Profile

I am an experienced engineer and leader who has worked over 10 years in software development, including roles at international companies such as DataRobot, Saxo Bank, and Vivino, building interfaces for thousands of monthly active users. I currently serve as staff engineer leading a team of back and front end engineers building DataRobot's AI application platform, which allows code-first users to tailor their artificial intelligence solutions for their business. I am proficient at managing long-term technical projects from conception through delivery while maintaining a focus on the customer and business needs and ensuring scalability, performance, and stability goals are met.

I am committed to promoting a strong collaboration between engineering, product, and business teams, as well as feeling a strong sense of ownership of not only the products I build, but the solutions they provide for the end users. This approach has allowed me to consistently deliver high-quality, user-centric solutions throughout my career.

## Experience

### STAFF ENGINEER & TEAM LEAD — APPLICATIONS, DATAROBOT INC. — 2024 - PRESENT

Reporting to a VP of Engineering, I currently lead a remote, international team of back and front end engineers building DataRobot's application platform, which empowers customers to build, manage, and execute their own applications on DataRobot's infrastructure, opening the possibility to tailor their predictive and generative artificial intelligence solutions for their specific business needs. We use technologies such as Docker, Kubernetes, Go, Python, and Node.js to empower customers to run their applications on public and private clouds, as well as on their own on-premise hardware.

I am responsible for setting the technical direction of the team, building mid to long term roadmaps together with product leaders and field specialists across the company keeping an appropriate balance of new feature development and addressing technical debt as well as managing and coaching engineers in the team, helping them develop their engineering and project delivery skills.

Alongside my daily responsibilities, I have been part of the incident response team at DataRobot since 2021. We follow a blameless process to drive incident resolution which includes responsibilities like managing the relevant teams of subject matter experts during critical service interruptions, coordinating the engineering response and communication with internal and external stakeholders.

### STAFF FRONT END ENGINEER — MLOPS, DATAROBOT INC. — 2022 - 2024

Reporting to a Director of Engineering, I led a team of front-end engineers responsible for building and maintaining all inference interfaces, supporting the legacy platform while migrating to a modern implementation based on React, React Router and TanStack Query. My responsibilities included the architecture of the state management solution for complex intake-inference-output configurations and monitoring dashboards for inference jobs.

I took over the responsibility of modernizing DataRobot's model governance interface, together with an independent cross-functional team to implement versioning and traceability of machine learning models while maintaining backwards compatibility.

SENIOR FRONT END ENGINEER — INFERENCE, DATAROBOT INC. — 2019 - 2022

Responsible for maintaining the business critical inference interfaces, like the legacy prediction interface written in AngularJS, as well as developing a new solution using React on top of DataRobot's new MLOps platform, enabling customers to directly output their predictions to remote databases or object storage services.

Collaborated closely with the Core UI division, regularly contributing to the company's common component library, and leading cross-functional efforts to migrate away from legacy implementations, influencing the architecture and processes of front-end teams across the organization.

SENIOR FRONT END DEVELOPER, SAXO BANK A/S — 2017 - 2019

Part of the team responsible for developing the SaxoTrader GO, SaxoTrader PRO, and Saxo Investor trading platforms. All built on JavaScript technologies such as React, Redux, Redux-Saga, and Electron. Worked on achieving feature parity from the legacy SaxoTrader desktop application built on .net with the newer web-based applications, collaborating with the original team as well as the API team to address the challenges of the differences in architectures.

I took responsibility for the development of the module lifecycle and multi-window state manager behind the Electron application SaxoTrader PRO, which makes it possible to sync the state of modules in different windows, essential for quickly being able to switch between instruments in the trader's workspace, as well as enabling users to seamlessly manage UI modules between windows without losing their state, and adapting their geometries to the available space in the new window.

FRONT END DEVELOPER, VIVINO APS — 2015 - 2017

Responsible for leading the migration of the company's public website from a primarily static site rendered with Ruby on Rails templates and jQuery to a component architecture using React, which enabled building more interactive functionality including the wine reviews community as well as an online store.

Responsible for developing Vivino's business analytics and e-commerce management product for wine merchants which served as the back office solution for Vivino's wine store.

FRONT END DEVELOPER, SHIPBEAT APS — 2015

WEB DEVELOPER, FYNSKE MEDIER P/S — 2013-2015

FREELANCE WEB DEVELOPER — 2007 - 2012

## Volunteering

### CODHER — 2016 - 2019

Teaching introductory courses to programming and technology aimed primarily towards women and other underrepresented groups but open for everyone. Responsible for the content strategy of the organization and managing the mentor team.

### AIESEC — 2009 - 2013

Volunteered in the world's largest youth-run organization. Held responsibilities in partnership sales and account management in Mexico, formed part of the global R&D Team, and served as Vice President of Finance, leading the financial strategy and operations in Austria. Held multiple trainings and conferences for audiences of up to 500 participants.

## Education

National Polytechnic Institute, *Interdisciplinary Professional Unit for Engineering and Advanced Technologies*, Mexico City — B.Eng. Mechatronics, 2012

## Skills

Code: Typescript, Javascript, React, Python, Ruby on Rails, Kubernetes, Docker, AWS, GPC, Azure

Personal: Engineering management, career development, public speaking, project management, training, coaching

Languages: Spanish (Native), English (Bilingual), Danish (Conversational), German (Basic)