

Simon Larsén

<https://slar.se>
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ABOUT

Software engineer with a deep affinity for back end development, system design, cloud infrastructure, Linux and software security. Devoted to open source development, continuous learning and knowledge-sharing. Experienced in mentoring and teaching roles across academia and industry.

EDUCATION

KTH

MSc IN COMPUTER SCIENCE

2018-2020 | Stockholm, Sweden

Specialization:

Programming languages and software engineering

KTH

BSc IN COMPUTER SCIENCE

2015-2018 | Stockholm, Sweden

LINKS

GitHub:// [slarse](#)

LinkedIn:// [simon-larsen](#)

Blog:// [slar.se](#)

SKILLS

TECHNICAL

Languages

Python • Rust • Go • Kotlin • Java

TypeScript • SQL

Technologies

AWS • GCP • Terraform • Linux • Git

Jenkins • Docker • Kubernetes

Practices

Automatic testing • CI/CD • TDD

NON-TECHNICAL

Public speaking • Teaching

Mentoring

EXPERIENCE

CHAINTRACED | LEAD SOFTWARE ENGINEER

Jan 2024 - Now | Stockholm, Sweden

- Development and operations of B2B API and portal for supply chain traceability
- Leading development effort in close collaboration with CTO and CEO
- Tech: AWS, CircleCI, Docker, GitHub, Go, Kubernetes, PostgreSQL, React, Terraform, TypeScript

QUANDIFY | SOFTWARE ENGINEER

Aug 2023 - Dec 2023 | Stockholm, Sweden

- Development and operations of B2B APIs and consumer portal and mobile app for smart water devices (IoT)
- Microservices hosted in GCP
- Tech: Docker, GCP, GitLab, Kubernetes, Node.js, PostgreSQL, React, TypeScript

WORLDLINE (VIA HIQ) | SOFTWARE ENGINEER CONSULTANT

Aug 2021 - Aug 2023 | Stockholm, Sweden

- Development and operations of B2B reporting portal with thousands of concurrent users
- Microservices hosted in AWS
- Tech: AWS, Docker, Flask, Jenkins, Kibana, PostgreSQL, Pytest, Python, React

KTH | RESEARCH ENGINEER

Oct 2020 - Aug 2021 | Stockholm, Sweden

- Development of software for automatic program repair (APR)
- Maintenance of CI/CD pipelines
- Tech: Java, Jenkins, Kotlin, Maven, TypeScript

STOCKHOLM PEACE RESEARCH INSTITUTE | FREELANCE FULL STACK DEVELOPER

2017 - 2020 | Stockholm, Sweden | Part time

- Design and implementation of app to track peacekeeping operations
- Tech: Docker, Flask, JavaScript, MariaDB, Python

KTH | TEACHING ASSISTANT/AMANUENS

2016 - 2020 | Stockholm, Sweden | Part time

- Lab and teaching assistant in the year-long introductory CS courses
- Taught Java, Python and Go along with Git and Bash

PUBLICATIONS

- [1] K. Etemadi Someoliayi, N. Y. M. Harrand, S. Larsén, H. Adzemovic, H. Luong Phu, A. Verma, F. Madeiral, D. Wikstrom, and M. Monperrus. Sorald: Automatic patch suggestions for sonarqube static analysis violations. *IEEE Transactions on Dependable and Secure Computing*, pages 1–1, 2022.
- [2] S. Larsén, J.-R. Falleri, B. Baudry, and M. Monperrus. Spork: Structured merge for java with formatting preservation. *IEEE Transactions on Software Engineering*, 49(1):64–83, 2023.