

Simon Jakobsson

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Skills

Programming languages	Typescript, Javascript, Python, Kotlin, C#, C++, Java, HTML, CSS, SQL
Frameworks & Techniques	React, Vue, Node.js, REST, Django, Flask, MongoDB, .NET, Tailwind, Bootstrap, CI/CD, CMake, GTest, Agile, DevOps, pair programming, AUTOSAR, Gradle
Tools & Environments	Git, Gerrit, Docker, PostgreSQL, NoSQL, GitHub Actions, Gitlab CI/CD, TCP/IP, UDP/IP
Languages	English, Swedish

Experience

CPAC Systems | Android Developer

Java, Kotlin, TypeScript, Jenkins, Gerrit, Gradle, GraphQL, gRPC

- Android Developer within the automotive domain, focusing on the development of construction industry applications
- Assisting the backend (Azure DevOps) team writing GraphQL and gRPC APIs
- Defining requirements and implementing solutions in collaboration with the team

Göteborg

Feb. 2025 - Present

Vector Informatik | Embedded Software Engineer

C++, Python, Java, DevOps, Docker, AUTOSAR, TCP/TLS, UDP, IP

- Embedded C++ developer within Adaptive AUTOSAR, focusing on the network transport layer
- Leading multiple team projects, including technical problem-solving and development for customer-specific objectives

Göteborg

Mar. 2024 - Feb. 2025

Knowit | DevOps Master's thesis

DevOps, GitHub Actions, Gitlab CI/CD, Jenkins, Azure, Docker

- Implemented a standardized DevOps workflow to address knowledge loss in project-based environments with high developer turnover
- Applied testing standards, coding standards, and containerization to enhance knowledge retention
- Automated workflows and integrated tools within a CI/CD pipeline for continuous delivery and process improvement
- Used CMMI (Capability Maturity Model Integration) to assess and define the organization's DevOps maturity levels before and after

Linköping

Aug. 2023 - Dec. 2023

Maxar Technologies | Full stack Developer

TypeScript, Python, React, Django, PostgreSQL, CesiumJS, GIS, Agile

- Created a web application from scratch to visualize data on an interactive globe
- Led the full development process, from defining requirements based on team needs to implementing the solution

Linköping

Jun. 2023 - Aug. 2023

Education

Linköping University

M.Sc. in Computer Science and Software Engineering (Swedish: *Civilingenjör i mjukvaruteknik*)

- Specialization - Large-scale software development
- Bachelor thesis - Technical drawings and logistics in the construction industry (VueJS, Typescript)

Linköping

Lund University

Introduction to Information Systems (Swedish: *Systemvetenskap*)

- Completed one semester of coursework in Information Systems (Java, UML)

Lund

Extracurricular Activity

Datateknologsektionen | Welcoming committee

Appearance and Music Coordinator

- Responsible for managing Datateknologsektionen reception at Linköping University
- Oversaw the team's presentation, including costume design, and managed all musical performances

Linköping

Datateknologsektionen | Board Member

Board member at large

- Collaborated with fellow board members to implement strategic initiatives, growth and development of the organization
- Helped organize events and create a supportive environment for students during the pandemic

Linköping

Datateknologsektionen | D-band

Band master

- Led rehearsal coordination and worked closely with the band to ensure alignment toward shared objectives
- Worked closely with event organizers to ensure good communication and collaboration for a successful performance

Linköping