

Hugo Persson

SOFTWARE ENGINEER • MSc COMPUTER SCIENCE & ENGINEERING (EXPECTED 2026)

Lund, Sweden

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Summary

MSc Computer Science & Engineering student with 5+ years of experience building production software across mobile, backend, and web. Strong in TypeScript and Rust, with hands-on experience in iOS (Swift/SwiftUI), Android (Kotlin/Jetpack Compose), and cross-platform stacks. Comfortable owning features end-to-end, improving reliability with observability, and optimizing systems for performance.

Education

Lund University (LTH)

MSc Computer Science & Engineering (Exp. 2026)

2021 – 2026

University of British Columbia (UBC)

Exchange Semester, Computer Science and Engineering

Fall 2024

Experience

CTO

Nordic Kinetics AB

Mar 2025 – Present

- First engineering hire at a med-tech startup building a tremor monitoring platform for Essential Tremor and Parkinson's disease.
- Built end-to-end products across mobile, watchOS, and clinician/researcher dashboards (data capture → analysis-ready exports → UI).
- Implemented Apple Watch sensor integrations, including the CMMovementDisorderManager API.
- Partnered with clinicians and researchers to support study execution and iterate on product requirements.
- Contributed to regulatory readiness, including work toward an FDA 510(k) submission and CE certification.

Head of IT

ARKAD — Scandinavia's Largest Career Fair

2024 – 2025

- Led development of the ARKAD mobile app, backend, and supporting services used to run the career fair.
- Set technical direction and feature priorities with the leadership group, aligning engineering work with organizational needs and event timelines.
- Managed the IT organization (frontend + backend), working through team leads/coordinators to unblock delivery and make architecture/technology decisions.
- Communicated status, risks, and technical trade-offs to cross-functional stakeholders to ensure smooth execution of the event.

Mobile Developer

Combain Mobile

Jan 2024 – Jan 2026

- Maintained and shipped features across iOS and Android apps, adapting quickly to different codebases and architectures.
- Worked across SwiftUI/Objective-C, Jetpack Compose, and Flutter depending on product needs.
- Developed a local-first, on-device positioning prototype using Wi-Fi, Bluetooth, and GPS with ANN models running via ONNX Runtime.

Full-Stack Developer

Recruto

Sep 2020 – Jan 2024

- Built and maintained features in a production web platform using PHP, TypeScript, Node.js, and MySQL; added Rust services for performance-critical components.
- Improved bulk email throughput by 77× by introducing a RabbitMQ-based queue + worker architecture.
- Built a multi-channel notification system (Email, SMS, Web Push, Mobile Push) in Rust with retries and provider abstraction.
- Improved reliability and incident response by introducing/maintaining observability tooling (Grafana, Prometheus, Loki, Sentry).
- Developed and maintained the iOS/Android app using C# (Xamarin.Forms).

Founder & Consultant

Evercode AB

2025-12-29

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- Founded and run an IT consulting business delivering software projects end-to-end (scoping, estimation, implementation, delivery).
- Managed client communication, requirements clarification, and technical decision-making across multiple engagements.

Teaching Assistant

LTH

Fall 2022 & Fall 2023

- Teaching assistant for introductory and intermediate programming courses; supported labs, assignments, and student debugging sessions.

Projects

Obsidian LaTeX OCR Plugin

github.com/Hugo-Persson/obsidian-ocrlatex

- Open-source Obsidian plugin that converts images of math formulas into LaTeX (TypeScript).
- 4,300+ downloads and 40 GitHub stars.
- Designed for fast in-editor workflows with a focus on developer ergonomics and reliability.

DNS CLI Tool

github.com/Hugo-Persson/godaddy-cli-tools

- Rust CLI for managing GoDaddy DNS subdomains and automating dynamic DNS updates when the public IP changes.
- Supports creating/deleting records and updating DNS from the command line.

Skills

Programming Languages TypeScript, Rust, Kotlin, Swift, Java, Python, C#, SQL, C/C++, PHP

Technologies Git, Docker, Linux, NGINX, Traefik, RabbitMQ, Grafana, Prometheus, Loki, Sentry, GitHub Actions, ONNX Runtime

Frameworks Next.js, React Native, Flutter, Node.js (Express/NestJS), SwiftUI, Jetpack Compose, SvelteKit

Currently Learning Embedded Systems, IoT

Languages

Languages Swedish (Native), English (Fluent)