Hugo **Persson**

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

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Summary

Software engineer with 5+ years of production experience across web, mobile, and infrastructure—currently CTO at a med-tech startup while completing my MSc. Systems thinker and fast learner who thrives on rapid prototyping and solving complex problems across the full stack. Career goal: transition into software architecture and technical leadership, designing systems at scale.

Education

Lund University (LTH)   MSc Computer Science & Engineering (Exp. 2026)

                                                                            2021 – 2026

- Thesis: Designing a high-throughput, memory-efficient lookup table for graph database ingestion—benchmarking data structures for concurrent access under RAM constraints.
- Key takeaways: mathematical rigor, engineering thinking, and collaboration in team-based projects.

University of British Columbia (UBC)   Exchange Semester, Computer Science and Engineering

                                                                              Fall 2024

- Chose exchange to grow personally—improved soft skills, learned to present myself, and gained new perspectives on collaboration and work culture.

Experience

CTO   Nordic Kinetics AB

                                                                      Mar 2025 – Present

- Responsible for all technical decisions in a 4-person med-tech startup (CEO, CFO, CTO, ML Engineer) building a tremor monitoring platform for Parkinson's and Essential Tremor.
- Own the full technology stack: mobile apps (iOS/Android), watchOS, cloud architecture, and clinician dashboards—from architecture to implementation.
- Partner with clinicians and researchers to translate clinical needs into product requirements and support study execution.
- Contribute to regulatory strategy (FDA 510(k), CE certification), balancing engineering decisions with compliance constraints.

Head of IT   ARKAD — Scandinavia's Largest Career Fair

                                                                            2024 – 2025

- Responsible for all technical decisions for the IT team (11 people) within a 300-person student organization and 22-person project group.
- Owned app development strategy, architecture choices, and recruitment of new IT team members.
- Delivered the ARKAD mobile app, backend, and supporting services used to run the career fair.
- Represented IT in leadership meetings, translating technical trade-offs for non-technical stakeholders and contributing to organization-wide decisions.

Mobile Developer   Combain Mobile

                                                                     Jan 2024 – Jan 2026

- Mobile developer in a 10-person team within a 30-person company specializing in positioning technology.
- Responsible for maintaining and shipping features across iOS and Android apps (SwiftUI/Objective-C, Jetpack Compose, Flutter).
- Led development of an on-device positioning prototype using Wi-Fi, Bluetooth, and GPS sensor fusion.

Full-Stack Developer   Recruto

                                                                     Sep 2020 – Jan 2024

- Full-stack developer in a 3-person dev team (6 total) at a recruitment platform company.
- Responsible for end-to-end feature development across the web platform (PHP, TypeScript, Node.js, MySQL) and mobile app (Xamarin).

- Owned DevOps infrastructure: containerized services with Docker, set up CI/CD pipelines, and built observability stack (Grafana, Prometheus, Loki, Sentry).
- Designed and implemented a RabbitMQ-based queue architecture that improved bulk email throughput by 77×.

Founder & Consultant   Evercode AB

Aug 2022 – Present

- Founded and run an IT consulting business delivering software projects end-to-end (scoping, estimation, implementation, delivery).
- Client-facing work here developed the requirements-gathering and communication skills now used when collaborating with clinicians and researchers.

Teaching Assistant   LTH

Fall 2022 & Fall 2023

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

Projects

Home Lab   github.com/Hugo-Persson/HomeLab
- Personal infrastructure running 20+ containerized services across multiple servers using Docker Compose.
- Built sysadmin and DevOps skills: Traefik reverse proxy, Ansible automation, CI/CD pipelines, and monitoring (Grafana, Prometheus, Loki).

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)