

Summary

Final-year KTH Computer Engineering student and Technical Product Owner at Sevan AB with embedded and full-stack industry experience. Primarily interested in backend and systems engineering.
Available for a software engineering internship or thesis project from early 2027, ahead of graduation in June 2027.

Education

Royal Institute of Technology (KTH)

Stockholm, Sweden

B.Sc. in Computer Engineering

Expected June 2027

- **Relevant Coursework:** Data Structures & Algorithms, Distributed Systems, Operating Systems, Networks, Databases; graduate-level Embedded Systems and Network Security
- **Certifications:** CCNA, CCNP

Engineering Experience

Motillo AB

Stockholm, Sweden

Software Engineer (KTH Industry Course)

March 2026 – June 2026

- Reduced query times from 330 ms to ~20 ms over 4 million rows of monitoring/order history by combining PostgreSQL materialized views for historical rollups with live data.
- Built a React/TypeScript control interface for UptimeRobot monitors and Litium order ingestion with Entra ID authentication and support for legacy Chrome 76 kiosks.

Proximion AB

Stockholm, Sweden

R&D SWE Member (Selected University–Industry Project)

October 2025 – January 2026

- Built firmware for a 4-channel fiber-optic sensor interrogator prototype using FreeRTOS threads, non-blocking IPC, and an MCU-to-PC binary protocol with state-machine framing, sequence tracking, and CRC validation.
- Configured cross-platform GNU Make builds and self-hosted Linux CI/CD using hermetic Docker containers for reproducible builds and automated releases.

Other Professional Experience

Sevan AB

Stockholm, Sweden (Remote)

Technical Product Owner

March 2022 – Present

- Promoted to Product Owner, overseeing B2C platform growth from 4.5K to 200K users and migration of 300+ B2B accounts to e-commerce.
- Directed the roadmap, specified API schemas and data models, and coordinated development across external teams and vendors.

Selected Projects

Linduistics

Work in progress

- Built a phonetic engine with articulatory substitution costs, Floyd–Warshall to enforce the triangle inequality, and Numba-compiled weighted edit distance using linear-memory two-row buffers.
- Matched word meanings across five Germanic languages using Wiktionary translation links, similar spellings, and multilingual embeddings, preserving sense-level etymology and ambiguous matches.
- Verified floating-point classification consistency across Python, Parquet, and PostgreSQL in a 1.6M-row scoring pipeline, where representation differences near thresholds could silently reclassify entries.

Token Catalog

tokencatalog.dev

- Built change detection that distinguishes real Material Design token changes from cosmetic noise such as ID churn and reordering across platforms and themes.
- Built a Go release workflow with reviews bound to artifact hashes, atomic publication through symlink replacement, and recovery from interrupted activation.
- Achieved 100/100 in performance, accessibility, best practices, and SEO in a [mobile PageSpeed audit](#) (11 October 2026), emulating a Moto G Power on Slow 4G with 1.2s LCP and zero blocking time or layout shift.

Technical Skills

Languages: C, C++, Java, Go, Python, TypeScript, C#

Systems & Tools: Linux, FreeRTOS, Docker, CI/CD, GNU Make, Git, TCP/UDP

Web & Data: React, Spring Boot, ASP.NET Core, REST, PostgreSQL, Elasticsearch, ETL