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Computer Engineering undergraduate with production experience in distributed systems and cloud infrastructure. Proven track record of navigating ambiguity to deliver scalable .NET, Java and embedded solutions in cross-functional R&D environments.

## Education

**Royal Institute of Technology (KTH)**  
**B.Sc. in Computer Engineering**

Stockholm, Sweden  
**Expected June 2027**

- **Relevant Coursework:** Data Structures, Algorithms, Operating Systems, Microcontrollers (graduate level), Computer Networks, Databases, Information Security
- **Certifications:** CCNA, CCNP

## Projects

- **FBG Interrogator (C#/.NET + C/FreeRTOS) – Industry R&D with Proximion AB**
  - Engineered a ~\$500 4 channel, 90Hz prototype; matched performance of \$10k+ industrial systems.
  - Collaborated in a 6-person cross-functional team (EE/CE) as one of the primary developers for the firmware and PC-host layers.
  - Architected a preemptive multithreaded system (FreeRTOS/RISC-V) using binary semaphores to synchronize high-priority ISRs with data processing.
  - Developed C#/.NET host with custom USB transfer protocol for sub-ms sensor readout and visualization.
  - Built a self-hosted Linux CI/CD pipeline using hermetic Docker containers to enforce linting, formatting, and build validation.
- **Sales Catalog Generator (Java/JavaFX) – Sevan AB**
  - Developed a cross-platform desktop application using JavaFX/AtlantaFX for unified deployment.
  - Built an ETL pipeline to ingest CSV datasets, merge assets via REST APIs, and render print-ready PDFs.
  - Reduced production time hours from hours to <3 minutes, replacing manual design workflows with automated generation that enabled the sales team to create more customer specific catalogs.
- **B2B Scan-to-Order PoC (Android/Kotlin) – Sevan AB**
  - Architected a fault-tolerant Android PoC app using Kotlin Coroutines for structured concurrency.
  - Engineered a distributed data synchronization engine with automatic failover strategies.
  - Integrated Google ML Kit for on-device barcode inference to enable scanning in low-connectivity environments.

## Experience

**Sevan AB**

Stockholm, Sweden (Remote)

**Technical Product Owner**

**March 2022 – Present**

- Promoted to Product Owner; scaled B2C content platform from 4.5K to 200K users.
- Directed product roadmap and authored 400+ Jira tickets including API schemas and data models.
- Engineered a Java catalog automation tool and a production-intent Android prototype.

## Skills

- **Languages:** Java, C, C#/.NET, Kotlin, Assembly
- **Systems & Infrastructure:** Linux, Docker, FreeRTOS, RISC-V, CI/CD, Real-time Systems, Cloud Computing
- **Data & Networking:** SQL, NoSQL (Firestore/MongoDB), REST, TCP/UDP
- **Tools:** Git, CMake, YAML/JSON