

# Sam Razavi

Full-Stack Developer & Data Engineer

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## PROFILE

Full-Stack Developer and Data Engineer with hands-on experience from two industry internships and a portfolio of production-deployed applications and end-to-end data pipelines. Completed a Higher Vocational Education Diploma in JavaScript Development (IT-Högskolan, 2024) and a Higher Education Diploma in Informatics (Dalarna University, 2026). Holds Microsoft Certified: Fabric Data Engineer Associate. Built production systems spanning FastAPI, React, PostgreSQL, Redis, Airflow, dbt, BigQuery, and Docker; completing a Bachelor's degree in Computer and Systems Sciences at Stockholm University (thesis-only, December 2026) and available to work full-time immediately.

## SKILLS

|                         |                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Data Engineering        | Apache Airflow, dbt, Dagster, BigQuery, Snowflake, Polars, Power BI, Metabase, Tableau, Soda Core, Prometheus, EDA, R |
| Languages               | JavaScript (ES6+), TypeScript, Python, C#, SQL, R, HTML5, CSS3                                                        |
| Frontend                | React, Next.js (App Router), Vue 3, Vite, Tailwind CSS, Zustand, React Query, Framer Motion, Zod                      |
| Backend                 | FastAPI, Node.js, Express, NestJS, ASP.NET Core MVC, Flask, SQLAlchemy, Prisma, REST APIs, WebSockets                 |
| Databases               | PostgreSQL, MongoDB, SQL Server, Redis, SQLite                                                                        |
| DevOps & Infrastructure | Docker, GitHub Actions, Railway, Vercel, Azure App Service, nginx, CI/CD, Linux                                       |
| Security & Auth         | JWT, OAuth2, Swedish BankID, TOTP 2FA, RBAC, bcrypt, Redis token blacklisting                                         |
| Testing & Quality       | Pytest, Vitest, Jest, Testing Library, pytest-asyncio — 400+ tests written in production                              |

## WORK EXPERIENCE

**Full-Stack Developer Intern — Fill Technology, Stockholm** Jan 2024 – Jun 2024

- Led, with 3 other interns, full platform localisation from Swedish to English: scoped 30+ pages including an AI chatbot and transactional emails, structured work in a shared flowchart, and delivered on time for a customer demo that opened the platform to non-Swedish-speaking markets.
- Delivered frontend and full-stack tasks across the recruiter and admin dashboard in JavaScript, Angular, and Node.js, from layout defects to multi-component feature changes.
- Participated in the full PR review cycle on every change before merging, working in a Scrum team of ~4 interns alongside senior developers.

**Frontend Developer Intern — Devward, Lidingö** Aug 2023 – Dec 2023

- Built React and Next.js components for Smart RoomHub, an early-stage IoT product for managing smart rooms, working closely with the founding full-stack developer.
- Implemented responsive UI across breakpoints in React, Next.js, and TypeScript; consumed REST endpoints and real-time WebSocket data from a NestJS/Express backend.
- Translated Figma designs into reusable, accessible components and iterated based on founding team feedback.

**IT Support Technician (Part-time) — Healthcare Sector, Stockholm** 2015 – 2020

- Delivered frontline IT support across two healthcare centres (OM-ALNOOR AB & Tibra Medica AB), resolving 80+ incidents per month in ServiceNow with minimal downtime of critical clinical systems.
- Managed hardware setup, OS configuration, software installation, and security patching across all workstations.

PROJECTS

ApplyLuma — AI Job-Search SaaS Platform [applyluma.com](https://applyluma.com)

- Built the full stack from scratch: FastAPI backend on Railway, React + TypeScript frontend on Vercel, PostgreSQL with JWT auth, deployed under a custom domain.
- Integrated OpenAI for CV analysis and ATS feedback; Adzuna for live job search with prompt chunking (GPT-4o-mini) for predictable per-call cost.
- Built an Airflow + dbt data pipeline: daily DAGs scrape job listings into BigQuery, transformed through staging into fact/dimension tables for analytics.
- Async AI workflows via Celery + Redis; Recharts analytics dashboards; Stripe payments; Manifest V3 browser extension for saving jobs across major job boards.

Stack: React, TypeScript, FastAPI, PostgreSQL, Redis, Celery, Airflow, dbt, BigQuery, Docker, Stripe, GitHub Actions

Rostid — Full-Stack Coffee E-Commerce Platform [github.com/Sam-Razavi/rostid](https://github.com/Sam-Razavi/rostid)

- Complete e-commerce platform: cart, Stripe Checkout, subscriptions, discount codes, gift cards, loyalty points, returns — 400+ automated tests with CI coverage gates.
- Stripe webhooks as source of truth; idempotent order creation and atomic stock decrement inside Prisma transactions; prices stored as integers in öre.
- JWT auth with access tokens in memory and refresh tokens in httpOnly cookies; Axios interceptors for silent refresh and queued 401 handling.
- Full admin dashboard: revenue, MRR, charts, product CRUD, CSV export, customer and gift-card management.

Stack: React 18, TypeScript, Node.js, Express, Prisma, PostgreSQL, Stripe, Zustand, React Query, Vitest, Jest, Docker

Bostadspuls — Swedish Housing Market Analytics Platform [github.com/Sam-Razavi/bostadspuls](https://github.com/Sam-Razavi/bostadspuls)

- Ingested daily housing data from SCB and Booli APIs using Python and Polars into Google BigQuery.
- dbt transformation layer: star schema with analytics marts; Soda Core quality validation; Dagster + GitHub Actions cron orchestration.
- FastAPI API with Prometheus metrics, nginx hardening, rate limiting, non-root Docker deployment.
- Vue 3 + ECharts dashboard: price trends, regional comparison, YoY changes, choropleth heatmap of Sweden.

Stack: Python 3.12, Polars, BigQuery, dbt, Dagster, FastAPI, Vue 3, ECharts, Metabase, nginx, Docker, Railway, Cloudflare Pages

Nordic Digital Solutions — UNESCO Heritage Discovery Platform [github.com/Sam-Razavi/Nordic-Digital-Solutions](https://github.com/Sam-Razavi/Nordic-Digital-Solutions)

Team project — backend lead for authentication (77 commits, highest on team)

- Built the auth service end-to-end: email/password login, JWT, Swedish BankID (device + QR flows), TOTP 2FA, user profile management. Platform features included geolocation-based UNESCO lookup, Leaflet.js maps, Claude AI guide, Google Cloud Translate (100+ languages), and Stripe checkout.

Stack: FastAPI, Python 3.12, SQLAlchemy, PostgreSQL, JWT, Swedish BankID, TOTP, Stripe, Heroku/Railway

EDUCATION

Bachelor's degree in Computer and Systems Sciences — thesis-only, expected Dec 2026

Stockholm University — all coursework complete; available full-time immediately.

Higher Education Diploma in Informatics, 120 ECTS | Dalarna University | Awarded Jul 2026

Thesis: "The relationship between students' use of AI tools and their perceived competence for the job market" — Pass with Distinction (VG)

Higher Vocational Education Diploma — JavaScript Developer (400 HVE credits, SeQF 5) | IT-Högskolan | Awarded Jun 2024

Notable additional courses: Industrial AI & eMaintenance — master's level (LTU, Grade 5/highest, 2026) · Dynamic Web Applications (Uppsala, Pass with Distinction, 2025) · Information Systems Development (Mid Sweden, Pass with Distinction, 2026) · Data Analytics with R (Umeå, 2026)

CERTIFICATIONS

- |                                                           |                                                                 |
|-----------------------------------------------------------|-----------------------------------------------------------------|
| • Microsoft Certified: Fabric Data Engineer Associate     | • Snowflake Data Engineering Professional Certificate           |
| • IBM Data Engineering Professional Certificate           | • Databricks Data Engineering Specialization                    |
| • Google Data Analytics Professional Certificate          | • AWS Cloud Solutions Architect Professional Certificate        |
| • IBM Applied DevOps Engineering Professional Certificate | • Microsoft Power BI Data Analyst Professional Certificate      |
| • Junior Cybersecurity Analyst Career Path — Cisco        | • Microsoft Cybersecurity Analyst Professional Certificate      |
| • Google IT Support Professional Certificate              | • Microsoft 365 & Agent Administration Professional Certificate |

Exam preparation in progress (Coursera coursework complete; proctored exam not yet taken): Microsoft AZ-204, PL-300

LANGUAGES & ADDITIONAL

Swedish — Fluent | English — Fluent (C1) | Persian — Native | Armenian — Advanced

Swedish citizen (full EU work authorisation) | Driving licence: B (manual)