

David Andreasson

Software Developer | Backend & Automation

Contact

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Intro

Former train driver who switched tracks into software development. From my previous career, I bring structure, resilience under pressure, reliability, and a mindset that things must work every time. I enjoy building robust backend solutions and automating workflows that make information easier to trust and use.

Software Development Experience

Jan 2026 - Present

Software Developer Intern - LIA

Utlysningar.com

Responsibilities & impact:

- Turned two manual data-collection workflows into automated daily runs, reducing manual work and making updates consistent and predictable.
- Introduced a review step from staging to production, including a lightweight admin page, improving data quality and preventing incorrect updates from reaching production.
- Built a daily import pipeline for a large data source (~17,000 records per run) with safe, repeatable updates and clear error handling, improving reliability and speeding up troubleshooting.
- Delivered several ingestion pipelines for different external sources, making information available in a structured format for internal use.
- Currently building a reusable ingestion runner to standardize how new sources are added and maintained, so future integrations can be delivered faster and run more reliably over time.

Education

Java Development - Integration (Higher Vocational Education, YH)

2024 - 2026

Campus Mölndal

Courses (completed with top grade):

- Object-Oriented Programming in Java (basic & advanced)
- Database Management and Design
- Testing and Quality Assurance
- APIs and Web Services
- Data Preparation for AI
- System Integration
- Consulting Skills and Communication
- Cloud Integrations
- Degree Project (Thesis)

Certificate:

2024

- FreeCodeCamp - Responsive Web Design

Technical Skills

- **Backend development:** Java, Spring Boot, REST APIs, microservices
- **Security & authentication:** JWT, OAuth 2.0
- **Data & persistence:** SQL databases, JPA/Hibernate, reliable imports/updates
- **Automation & delivery:** CI/CD (GitHub Actions), containerization (Docker)
- **Integration:** system integration, third-party APIs, data pipelines
- **Quality & maintainability:** clean code, logging, API documentation, testing and coverage

Familiar with / Exposure: Azure (DevOps, Container Registry, Container Instances), PostgreSQL, Flyway

AI-assisted development: comfortable generating, debugging, and analyzing Python and TypeScript code using AI-enabled IDEs/tools.

Projects

Drillbi.se — Quiz platform for exam prep

Designed and built a quiz platform that combines AI and OCR to automate the creation of study material. Integrated OpenAI and Anthropic for question generation and tailored explanations, OCR for extracting text from images, and Stripe for subscriptions. Implemented secure authentication (OAuth2/JWT) and built a Spring Boot backend with an H2 database and REST APIs.

Ecom.drillbi.se - E-commerce Microservices

Built a microservices-based e-commerce system in Spring Boot (Java 21) with separate services for users, products, and orders. Integrated OpenAI for dynamic content generation, Stripe for payments, and JWT for secure service-to-service communication. Built a React/Vite frontend using TypeScript and Stripe Elements. Set up CI/CD in Azure DevOps with automated deployment to Azure Container Instances, later migrated to Docker Compose for cost optimization.

Nova.drillbi.se - Nova Report - Degree Project

Built a SaaS platform for automated news reporting as my degree project, focused on real-world integrations and modern architecture. Implemented six microservices for user management, subscriptions, Monero payments, RSS-based data collection, AI-based report generation, and multi-channel notifications (email/Discord). Implemented JWT-based authentication between services, a React frontend in TypeScript, and PostgreSQL databases (H2 for dev). Deployed with Docker Compose on a lab server, with a planned Azure migration for scalability.

Work Experience

SJ AB, MTR Mälartåg, Transdev

Train Driver

2017 - 2026

- Responsible for safe and on-time operations
- Developed strong resilience under pressure and fast problem-solving in complex situations

Svenska Migrationscentret

Registrar

2015 - 2016

- Digitized and registered population registration records

Mjölby Kommun / Dackeskolan

IT Support Technician

2012 - 2014

- Provided technical support and troubleshooting
- Performed installations and user support for staff and students