

# Azim Haffar

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## Education

### OSTİM Technical University

Expected August 2027

B.Sc. Software Engineering

Türkiye

- **Relevant Coursework:** Analysis of Algorithms, Object-Oriented Programming, Introduction to Database Systems, System Programming, Generative Artificial Intelligence

## Experience

### Kvote 2 Hjælperen

February - April 2026

Freelance Software Developer

Remote

- Delivered a paid Python study tool that turns students' class materials into practice questions using LLM APIs, dynamic prompts and prompt chaining.
- Implemented a separate LLM evaluation step for grounding, relevance, clarity and answerability, with response-structure validation and rejection or regeneration of failed questions.

### Trendyol

June - September 2025

Backend Engineering Intern

Istanbul, Türkiye

- Built and demonstrated a Coupon Usage Tracker microservice with Java, Spring Boot and PostgreSQL; implemented REST endpoints and unit and integration tests using JUnit and Testcontainers.
- Extended an order-detail API with delivery estimates and mapper tests; fixed missing-address handling, validated negative quantities and added retry/backoff for an internal service call.
- Implemented Kafka order-cancellation updates and Grafana monitoring; contributed to database queries, documentation and code review.

## Projects

### SeatLedger | Java, Spring Boot, PostgreSQL, React, TypeScript, Python

- Built and deployed an event-reservation portfolio demo with PostgreSQL locking, strict hold expiry and persisted idempotency for capacity control and safe retries. [Case study](#) · [Demo](#)
- Implemented leased background workers and replayable Python/SQL analytics; exercised crash recovery, duplicate acceptance after acknowledgement loss and late-commit reconciliation locally.

### OrderFlow | Java 21, Spring Boot, Kafka, PostgreSQL, Redis

- Built transactional-outbox order processing; 17 tests against real infrastructure checked outage recovery and replay without duplicate stock deductions. [Code & tests](#)

### HireLens | Python, FastAPI, React, JavaScript, Supabase

- Built upload-to-feedback and history/deletion workflows; checked these in an offline demo with 41 backend tests, three streaming tests and two browser journeys. [Code & tests](#)

## Technical Skills

**Programming Languages:** Java, Python, TypeScript, JavaScript, SQL

**Technologies:** React, FastAPI, Spring Boot, PostgreSQL, Supabase, Redis, Kafka, Docker, GitHub Actions, JUnit, Testcontainers, Git, Linux

**Concepts:** REST APIs, database transactions, concurrency, idempotency, unit and integration testing, CI/CD

## Languages

English C1 · German B1 (Goethe-certified) · Turkish native · Arabic native