

Oezguen Mert Sahin

Software Engineer Candidate

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Graduate of the International Baccalaureate (IB) program, current Bachelor's student in Information Engineering at the Technical University of Munich (TUM). Experienced in full-stack development, with practical involvement in live systems, payment integrations, and cloud deployment. I enjoy turning ideas into working software and continuously improving the quality of my code. Motivated to apply my skills as a working student and grow within a collaborative and international team.

EDUCATION

TECHNICAL UNIVERSITY OF MUNICH (TUM)

BSc in Information Engineering

Heilbronn, Germany

Oct 2025 – Expected: Sep 2028

- **Program Overview:** Interdisciplinary program combining computer science, electrical engineering, and management, with a specialization in informatics and management.

SAKIP SABANCI ANATOLIAN HIGH SCHOOL

International Baccalaureate

Istanbul, Turkey

Sep 2020 – Jun 2025

- **IB Diploma Score:** 42/45 (German equivalent: 1.0)
- **Core Coursework:** Mathematics AA High Level & Physics High Level, English B High Level, Turkish A Standard Level, Chemistry Standard Level, Turkish History Standard Level

PROJECTS

Quarified – QR Menu Ordering System

Software Developer

Istanbul, Turkey

04/2026 – Current

- Developed a full-stack QR-code ordering system that lets restaurant guests browse the menu, order and pay from their phones, while staff manage orders on a live tablet panel.
- Built the backend with TypeScript, Express, PostgreSQL and Socket.IO, including real-time order updates, online payments (Iyzico).
- Deployed the application with Docker on a Linux server, using Cloudflare R2 for image storage technical requirements and QA processes.

Skills – AI Skills

Prompt Engineer

Heilbronn, Germany

09/2026 – Current

- Developed an open-source collection of AI agent skills for Claude Code that automate repeatable software engineering tasks through simple slash commands.
- Built a multi-agent stock analysis tool in Python that collects data from SEC EDGAR, TradingView, and Yahoo Finance, scores each stock, and generates an interactive bilingual (EN/TR) dashboard.

Pure Python Quant

Data Analyst

Istanbul, Turkey & Heilbronn, Germany

01/2026 – 04/2026

- Developed a Python engine that discovers rule-based trading signals by combining 11 technical indicators (SMA, MACD, RSI) and backtesting every combination on historical stock data.
- Selected the best bullish and bearish signals for four forecast horizons (3 to 365 days), using a chronological train/test split to avoid look-ahead bias.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, JavaScript, Typescript, React
- **Software & Web Development:** RESTful APIs, Next.JS, HTML, CSS, Tailwind CSS
- **Cloud & DevOps Tools:** Git, Docker
- **Databases:** SQL, SQLite, MySQL, PostgreSQL
- **Languages:** English (C1), German (B1 – currently improving), Turkish (Native)