CELIL YIĞIT

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München, DE

EDUCATION

Master of Science - Informatics, Technical University of Munich — 2024 - 2026 (Expected)
Major: Machine Learning and Analytics — CGPA 2.30/5.00 (Bavarian Scale)
Minors: High Performance Computing, Software Engineering

Bachelor of Computer Engineering, Middle East Technical University — 2017 - 2022
Member of IEEE METU — CGPA 3.74/4.00
Member of METU Bulls Wrestling Team — Ranked 14th among 261 students

EXPERIENCE

Backend Software Engineer (Part-Time) — July 2024 - Present
CHECK24 — *München, DE*

- Implemented 140+ functional tests covering critical paths, which detected 3 major bugs before production.
- Refactored the legacy test suite to streamline the CI/CD pipeline, resulting in a 75% reduction in build time.
- Reduced cron job runtime from 50 minutes to 2 minutes by optimizing MySQL queries with bounding-box constraints and algorithmic optimization.

Backend Software Engineer — March 2023 - April 2024
Picus Security — *San Francisco, US (Remote)*

- Improved simulation performance by 65% by refining query scopes and database indexing, verified via New Relic.
- Built a password-hash auditing pipeline on AWS EC2 and EFS, reducing runtime from 23 days to 7 hours and infrastructure costs by $1,050/month.

Fullstack Software Engineer — July 2021 - March 2023
ASELSAN — *Ankara, TR*

- Engineered backend services for a Smart City ecosystem designed to support a population of 2 million.
- Developed a C++ tool to parse raw binary sensor logs, significantly speeding up hardware debugging for the integration team.
- Optimized .NET Core LINQ queries SmartCity backend, increasing data retrieval speeds by approximately 30%.

LEADERSHIP & SPEAKING

Selected as a speaker for **CHECK.conf 2025** (Leipzig), presenting technical insights to 500+ engineers. I was one of only 20 speakers chosen and the only Working Student in the event's history. Talk video

SELECTED PROJECTS

OlurOlurYeriz.com: Solo developer for a restaurant discovery platform serving a student body of 30,000. Built using Next.js and Supabase, with custom ETL pipelines handling data for over 500 venues. Live

Genie: A high-performance Rust wrapper for the Gemini CLI. Features include quota enforcement, an OpenAI-compatible API, and a real-time TUI dashboard. Built on Tokio, Axum, and SQLite stack. Github Link

SKILLS

Technologies	Gin, React.js, Next.js, FastAPI, gRPC, PostgreSQL Docker, AWS
Programming Languages	Go, Python, C++, TypeScript, PHP
Languages	English - C1 (IELTS 8.0), German - B1.2