

Ahmet Eren BOYACI

COMPUTER ENGINEER · BACKEND SOFTWARE ENGINEER

☎ (+90) 507-982-1413 | ✉ ahmetersenboyaci45@gmail.com | 📷 aeboyaci | 🌐 ahmet-eren-boyaci

Education

TOBB University of Economics and Technology

B.S. IN COMPUTER ENGINEERING

CGPA: 3.41

Ankara, Turkey

2019 - 2023

Experience

Midas

BACKEND SOFTWARE ENGINEER — BORSA İSTANBUL (BIST) TEAM

Ankara, Turkey

July 2024 - Present

- Delivered **mission-critical trading systems for 3M+ users** with high availability, low-latency execution, and fault-tolerance.
- Designed and maintained high-throughput, scalable systems using **Java, Spring Boot, Kafka, and Redis**.
- Assigned as the **Product Owner** for the **Warrant Market** development, owning end-to-end delivery of trading workflows.
- Developed **Margin Investment** modules including collateral / risk calculations, automated margin calls, and risk simulation tools.
- Optimized PnL calculation flows by redesigning the **Today's Average Cost** computation, replacing sequential Redis reads and REST calls with **MGET/MSET** and batch APIs, **achieving a 92% latency reduction** (190ms → 15ms) under peak load.
- Handled on-call support, incident resolution, and performance tuning with **New Relic, Sentry, and Opsgenie**.
- Resolved race conditions in high-concurrency workflows using Kafka partitioning and distributed locking.

Picus Security

BACKEND SOFTWARE ENGINEER

PART-TIME SOFTWARE ENGINEER

Ankara, Turkey

September 2023 - July 2024

September 2022 - September 2023

- Implemented backend features for a **Breach & Attack Simulation** platform using **Go, Gin, and Gorm**.
- Integrated **AWS SNS/SQS** for asynchronous processing and service decoupling.
- Built **PostgreSQL** migrations and deployment automation scripts for multi-service systems.
- Improved performance and code quality with **New Relic** and **SonarQube**.

STM

CYBER SECURITY INTERN — MALWARE RESEARCH

Ankara, Turkey

May 2022 - August 2022

- Developed technical challenges and improved infrastructure for **STM CTF 2022**.
- Created stealth **C++** malware for detection-evasion research in controlled environments.

BAYKAR Defense

SOFTWARE ENGINEER INTERN

Istanbul, Turkey

May 2021 - September 2021

- Contributed to a **GIS-based dynamic mapping** system using JavaScript, JQuery, Flask, and Python. *(Limited disclosure due to confidentiality constraints.)*

Projects & Awards

1st Place — Presidency Digital Transformation Office (CBDDO) | Malware.Studio

Ankara, Turkey

REACT, GoFIBER, MONGODB, DOCKER, DOCKER-COMPOSE, GO-BASED UNIQUE MALWARE

- Built a Go-based FUD malware generation platform using a React + GoFiber + MongoDB stack. Employed advanced evasion techniques and containerized the solution with Docker Compose.

2nd Place — Turkish Airlines @ TEKNOFEST 2022 | EasyTK

Samsun, Turkey

FLUTTER, AR

- Developed an innovative indoor navigation app for airports. It guides passengers using the shortest routes enhanced with augmented reality (AR) lines.

2nd Place — PwC Deutschland @ Hackathon Interschutzz 2022 | ARTEAL

Hannover, Germany

REACT, NEUROSKY, VR, UNITY 3D

- Designed a VR-based training tool for crisis preparation to enhance volunteer readiness. Included real-time monitoring via a web-based control panel and crisis-volunteer matching using collected data.

Skills

Programming

Java, Go, Python, C++, JavaScript, SQL

Technologies

Spring Boot, Kafka, Redis, PostgreSQL, AWS SNS/SQS, Docker, Kubernetes

Tools

Git, New Relic, SonarQube, Sentry, Opsgenie, Agile/Scrum