

Musa Kaan ALTIN

Computer Engineer

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Education

Ostim Technical University

B.Sc. in Computer Engineering, GPA: 3.12/4.00

Ankara, Turkey

2021–2025

Work Experience

FDN Soft

Java Backend Developer

Ankara, Turkey

06/2025–07/2025

Backend Development: Developed backend features using Java and Spring Boot, including JWT-based authentication, user registration and login, as well as form and question handling with Spring Security and JPA.

Ziraat Technology

Full-Stack Developer Intern

Ankara, Turkey

01/2025–06/2025

Flutter-Based Puzzle Game: Developed a cross-platform puzzle game using Flutter, Dart, Riverpod, and Freezed; implemented level-map navigation, power-ups (Freeze Time, Shuffle Pieces, Auto-Complete), and integrated Firebase for user data management. Optimized performance and conducted end-to-end testing.

Hotel Reservation System: Developed a scalable booking platform using Spring Boot & **Angular**, showcasing skills in client-focused solutions and system optimization.

Ziraat Technology

Full-Stack Developer Intern

Ankara, Turkey

07/2024–08/2024

Banking Web App: Developed a secure banking platform using React, Express.js, and PostgreSQL, aligning with financial data management practices and implementing JWT-based authentication and RESTful service architecture.

STM

Embedded Software Intern

Ankara, Turkey

01/2024–02/2024

Real-Time Embedded System: Optimized communication protocols in Tiva C TM4C1294XL firmware using Code Composer Studio.

Sensor Data Processing: Implemented UART communication and binary-to-JSON conversion for enhanced data visualization.

Signal Analysis: Utilized logic analyzers and FIFO algorithms to improve real-time data storage and system analysis.

Mobiliz

iOS Developer Intern

Ankara, Turkey

06/2023–07/2023

Map-Based Social Media App: Enhanced an iOS application for posting and viewing disaster images with location metadata using Google Maps API.

Authentication & Database: Implemented Firebase Authentication and Firestore for secure login and real-time storage.

Crypttech

Machine Learning & AI Engineer Intern

Istanbul, Turkey

01/2023–02/2023

AI Model Training: Trained and evaluated machine learning models using TensorFlow and Scikit-learn for classification and prediction tasks.

Karel

Embedded Software Intern

Ankara, Turkey

06/2022–08/2022

Environmental Data Collection: Developed embedded firmware on STM32 Nucleo F207ZG for real-time air quality monitoring.

Real-Time Sensor Analysis: Integrated HAL libraries for multi-sensor communication and performed real-time environmental analysis.

Selected Projects

Hotel Reservation System: Built a full-stack system (Spring Boot, Angular, PostgreSQL) with JWT-based auth, Stripe payments, and PDF invoice generation.

Puzzle Game: Created a Flutter-based game with Firebase backend, in-game power-ups, and state management using Riverpod.

Banking Web App: Developed a secure platform (Node.js, Express.js, PostgreSQL) with JWT auth and transaction handling.

Certificates

- Huawei HSD DevOps Certificate – Huawei (2025)
- Aygaz ML Bootcamp – Aygaz, Global AI Hub, Koç (Sep 2024)
- TÜBİTAK YTE Bootcamp: Java – Uzaktan Eğitim Kapısı (Oct 2023)
- TÜBİTAK YTE Bootcamp: UX Usability – Uzaktan Eğitim Kapısı (Oct 2023)