

ENES AKSOY

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An experienced professional in software development, database management, and algorithm design, with a proven ability to deliver efficient, scalable, and secure solutions by leveraging modern methodologies such as Agile and TDD. Specializing in database optimization with tools like MySQL and PostgreSQL, expertise includes ensuring effective processing of large-scale data through techniques such as indexing, query optimization, and normalization.

In back-end development, secure coding practices, microservices architecture, and RESTful APIs are utilized to build high-performance systems. Adherence to design principles like SOLID ensures clean, maintainable, and scalable code. Additionally, integration of CI/CD pipelines guarantees seamless and efficient deployment processes.

Continuously expanding a skill set in programming languages and emerging technologies, innovative and reliable solutions are delivered to meet evolving industry demands. Fluent in Turkish (native) and proficient in English at a professional level, effective collaboration is achieved in both local and international environments.

Core Stack: Go, Java, Kotlin (Jetpack Compose), Python, C#, SQL

EXPERIENCES

02/ 2026-05/2026

ANDROID DEVELOPER, ENOCA

I contribute to the development of high-performance, offline-first Android applications as part of my professional workplace training at the Karabük office. By utilizing Kotlin, Jetpack Compose, MVI architecture, and Clean Architecture principles, I build scalable and maintainable mobile solutions. I integrate advanced tools such as Dagger Hilt, Room databases, and real-time data synchronization mechanisms to ensure seamless user experiences. Working closely with the development team and mentor guidance, I strictly apply clean code practices and actively manage application deployments to the Google Play Store.

11/ 2025-12/2025

MOBILE APPLICATION DEVELOPER, KARABUK UNIVERSITY

I develop modern Android applications using Kotlin and Jetpack Compose, designing user-friendly, smooth, and performance-oriented interfaces. I ensure secure data management within applications using database structures such as Room and SQLite, and I perform integration and synchronization processes when needed through RESTful APIs. By applying modular architecture, the MVVM approach, and clean code principles, I create scalable and maintainable projects. Using Android Studio, Gradle, and Git effectively, I develop stable, high-performance mobile solutions aligned with user needs.

06/ 2025-07/2025

AI DEVELOPER , KARDEMİR DEMİRÇELİK COMPANY

I developed a real-time safety monitoring system that combined helmet detection with face recognition using YOLOv8, OpenCV, and Python. I designed an automatic ID assignment mechanism and integrated SQLite for storing and managing detected individuals. To improve accuracy, I optimized the tracking pipeline to prevent false counts caused by temporary recognition errors. This project enhanced workplace safety by providing reliable, scalable, and efficient monitoring in an industrial environment.

03/2025-05/2025

MOBILE APPLICATION DEVELOPER, KARABUK UNIVERSITY

I contribute to Android development using Kotlin and Jetpack Compose, focusing on designing, developing, and deploying user-friendly mobile applications. I apply modular architecture, clean code principles, and RESTful API integration to ensure seamless performance. By leveraging Android Studio, Gradle, and Git for version control, I deliver scalable, efficient, and maintainable solutions aligned with user requirements.

10/2024-06/2026

MOBILE APPLICATION DEVELOPER, NEBULA INNOVATORS

Contributed to Android development using Java, focusing on creating high-performance mobile applications. Employed clean code practices and API integrations to ensure seamless functionality. Leveraged Android Studio and Gradle to deliver scalable solutions tailored to user needs

08/2024 - 09/2024

BACK-END DEVELOPER, DEMİRÇELİK INSTITUTE

As a back-end developer, I utilized the Go programming language to build and maintain the institute's back-end products. During this internship, I developed the LABSİS project, taking responsibility for designing and optimizing the database architecture to deliver efficient and scalable solution

EDUCATION

08/2022-06/2026

COMPUTER ENGINEERING, KARABUK UNIVERSITY

Graduated as the 2nd highest-ranking student in the department.
(GPA:3.76/4.00)

PROJECTS

- [LABSİS](#) (Go, MySQL, Bootstrap) A comprehensive Laboratory Information System developed for the Demirçelik Institute. Designed the core back-end architecture and optimized the database structure to ensure high-performance data processing and efficient laboratory workflows.
- Hastalık Tespit Uygulaması / AI-Based Disease Detection App (Kotlin, Jetpack Compose, Python) An AI-supported mobile healthcare application developed under the prestigious TÜBİTAK 2209-A Research Grant. Implemented a user-friendly and responsive interface adhering to modern Android development standards.
- [CosmeticScanner](#) [100+ Downloads on Google Play] (Kotlin, Jetpack Compose, MVI, Hilt, ML Kit, Room, Coil, Coroutines, Navigation3) An offline-first mobile application that analyzes cosmetic ingredients via on-device Google ML Kit text recognition. Features localized multi-language support and secure caching utilizing Room database.
- CoinsApp (Kotlin, Jetpack Compose, MVI, Hilt, WebSocket, Room, Firebase, Navigation3, Coroutines) A real-time cryptocurrency tracking platform integrated with Binance WebSockets for live updates. Developed high-performance, smooth price charts utilizing custom Compose Canvas graphics and managed asynchronous data flows with Kotlin Flow.
- SpaceXplorer (Kotlin, Jetpack Compose, MVI, Hilt, Apollo GraphQL, Serialization, Navigation3, Coroutines) A data-driven mobile application built using Apollo GraphQL to fetch and optimize SpaceX mission data dynamically. Implemented clean architecture patterns alongside modern Navigation 3 components.
- [QrScanner](#) (Kotlin, Jetpack Compose, MVI, Hilt, ML Kit Vision, CameraX, Room, Coroutines, Navigation2) A utility application leveraging Android CameraX API and Google ML Kit Vision for fast, real-time, on-device barcode and QR code scanning. Focuses on modular design and robust offline capabilities.
- Helmet Detection & Real-Time Safety Monitoring System (Python, YOLOv8, OpenCV, SQLite) Developed a real-time industrial safety monitoring system combining helmet detection and facial recognition. Implemented an automatic ID assignment mechanism, utilized SQLite for data management, and optimized the tracking pipeline to prevent false counts in industrial environments.
- Yapay Zeka Tabanlı Cinsiyet Sayım Uygulaması / AI-Based Gender Counting App (Python, YOLOv8, BoT-SORT, OpenCV, Streamlit, SQLite) Computer Engineering Graduation Project focused on computer vision. Developed a real-time object detection and multi-object tracking (MOT) system using YOLOv8 and BoT-SORT to analyze and stream gender demographics.

CERTIFICATES

- Oracle Academy for Database Programming with SQL (May 2024)
- Oracle Academy for Database Design (May 2024)
- Oracle Academy for Database Design and Database Programming with SQL(July 2024)
- BTK Akademi JAVA ile Programlamaya Giriş(NOV 2024)
- Turkcell Geleceği yazarlar Python 101(March 2025)
- Turkcell Geleceği yazarlar Python 201(April 2025)
- Udemy Python ve Yapay Zekaya Giriş:101(September 2025)
- Udemy Jetpack Compose ile Android Uygulama Geliştirme Kursu(December 2025)