ENES BERK DEMIRCI

SOFTWARE ENGINEER · MOBILE & AI

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SUMMARY

Software Engineer specializing in mobile application development and applied AI, with native iOS apps shipped and live on the App Store. Comfortable across the full stack - native Swift/SwiftUI and Flutter on the front end, FastAPI and Firebase on the back end - with hands-on experience integrating computer vision and large language models (Google Gemini, YOLOv8, OpenCV) into production products. Curious, collaborative, and solution-oriented, with a proven track record of taking projects from concept to public release.

EDUCATION

Istanbul Sabahattin Zaim University - B.Sc. Software Engineering (English) 2020 – 2026

Ankara University - Energy Engineering 2019 – 2020

SKILLS

Languages	Python, Swift, Dart (Flutter), Java (OOP), SQL, C/C++, JavaScript, HTML/CSS
Mobile	SwiftUI, Flutter, HealthKit, WidgetKit, Apple Watch, App Store Connect, ASO
Backend & Cloud	FastAPI, Firebase (Auth / Firestore), Supabase, RevenueCat, SQL querying & aggregation
AI & Vision	Google Gemini, YOLOv8, OpenCV, NLP, Machine Learning, AI Integration
Tools	Git, GitHub, Xcode, Android Studio, VS Code, Antigravity

EXPERIENCE

Software Engineering Intern - Bilgisayar Hospital Jul 2024 – Aug 2024

- Developed a cross-platform news application for **iOS and Android** from a single **Flutter** codebase.
- Implemented category-based filtering algorithms that streamlined content discovery and improved the user experience.

Backend Developer - Cool Skull Club by TPCW May 2021 – Aug 2022

- Developed **Solidity** smart contracts for an NFT project on the **Ethereum** blockchain.
- Designed and implemented a secure, scalable minting architecture built to handle concurrent transactions.

Full Stack Developer & Content Manager - Videomarketi by TPCW Aug 2020 – Mar 2021

- Built an e-commerce platform from scratch on **WordPress** with custom theme and plugin development.
- Integrated the **Iyzico** payment gateway to establish a secure online payment infrastructure.

PROJECTS

CalorieLab - AI Calorie Tracker Feb 2026 – May 2026

Full Stack iOS Developer VIEW ON APP STORE ↗ CALORIELAB.APP ↗

- Built and shipped a fully native **Swift / SwiftUI** nutrition app that uses **Google Gemini AI** to identify food from a photo and estimate calories and macros in real time.
- Added barcode scanning and search across **700,000+** USDA-verified foods, plus **HealthKit**, **Apple Watch**, and home-screen widget integrations.
- Engineered the backend on **Firebase** (Auth + Firestore) and managed subscriptions/paywalls with **RevenueCat**; localized to **9 languages** with TikTok & Meta SDK analytics.

Block Puzzle Flow Jul 2025 – Nov 2025

Full Stack Developer VIEW ON APP STORE ↗

- Designed and shipped an independent iOS puzzle game in **Flutter** with complex game-logic algorithms and a custom UI/UX.
- Managed the full product lifecycle, including **App Store Optimization (ASO)** and release.

Real-Time Face Recognition & Attendance System Sep 2024 – May 2025

Backend Developer

- Developed an automated attendance system in **Python** using **OpenCV** and machine learning to process real-time video streams for accurate identity verification.
- Persisted recognition data securely on **Firebase**.

University Q&A Chatbot Feb 2025 – May 2025

Backend / AI Developer

- Built an **NLP**-based question-answering bot trained on **5,000+** university-regulation data points.
- Designed a **FastAPI** backend delivering context-aware, low-latency responses.

EcoLens Sep 2025 – Dec 2025

Full Stack Developer

- Developed a mobile waste-recognition app in **Swift** with a **YOLOv8** model that classifies recyclable materials from the camera in real time.

AI-Powered Portfolio Jan 2026

Full Stack Developer VIEW LIVE ↗

- Designed and built an interactive portfolio site with a context-aware AI assistant powered by **FastAPI** and **Gemini 2.5 Flash** for real-time, personalized answers.