

Ege Ertekin

Electrical & Electronics Engineer — Software Developer

Antalya, TÜRKİYE

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SUMMARY

Versatile Electrical and Electronics Engineer and **Full-Stack Developer** with a specialized mastery in the **Mobile Application Ecosystem**. Expert in architecting production-ready mobile solutions and managing the entire product lifecycle—from conceptual design to high-performance delivery on App Store and Google Play. While possessing a broad command over the full technology stack, including **Cloud Infrastructure (Docker/Portainer)** and **Scalable Microservices**, I offer extensive experience in creating user-centric mobile experiences that bridge the gap between complex data and intuitive interfaces.

PROFESSIONAL EXPERIENCE

Software Engineer (R&D)

November 2021 – Present

IMECAR Electronics, Antalya

- **SmartDash (Battery Monitoring)**: Engineered a specialized mobile application (App Store & Google Play) for real-time diagnostics and data visualization, implementing low-latency **BLE (Bluetooth Low Energy)** communication for field hardware.
- **ChargeOps (Charging Station Management App)**: Developed and published a mobile application (App Store & Google Play) for visualizing charging stations on an interactive map, enabling remote access to stations, and managing warranty and maintenance workflows.
- **imeOffice (Corporate Mobile App)**: Led the end-to-end development of a full-featured corporate mobility suite (App Store & Google Play) featuring real-time reporting, resource management, and Firebase-based push notification infrastructure.
- **C2C Charging (TÜBİTAK Project)**: Developed a mobile-first solution for decentralized energy sharing (Car-to-Car), focusing on proximity-based logic, GPS services, and secure charging session authentication.
- **SRC (Plant Protection Reference App)**: Developed and published a mobile application (App Store & Google Play) that cross-references plant, disease/pest, active ingredient, and licensed plant protection product (BKÜ) records, enabling users to review and relate them all in a single, unified interface.
- **Fintech & POS Integration**: Built secure App-to-App payment communication bridges for Android-based POS terminals, ensuring seamless transaction security for EV charging infrastructure.
- **Smart Signage & Multimedia**: Developed background-service Android applications for 24/7 interactive displays and vehicle multimedia systems using **Flutter** and **Qt/QML**.
- **Fleet Management Admin Panel**: Built a feature-rich **React-based** dashboard for real-time geospatial analysis, historical data visualization, and remote system monitoring.
- **Unified Notification Gateway**: Designed and deployed a robust **Node.js microservice** providing a centralized API for multi-channel communication via **SMS, XMPP, Email, and Telegram**.
- **SEABAT (EU Project)**: Developed monitoring and control interfaces focusing on high-level data visualization and user experience for complex maritime battery systems.
- **Automated Content Delivery (Digital Signage & Advertising Display)**: Built an advertising display system that plays requested videos via Google Drive links, with content remotely updatable through cloud storage for continuous, synchronized playback.

EDUCATION

İzmir University of Economics, İzmir, TÜRKİYE

B.Sc. in Electrical and Electronics Engineering

2015 – 2021

SKILLS

- **Mobile**: Flutter (Expert), Dart, Android (Java/Kotlin), iOS (Swift), App Store & Play Store Management.
- **Web & Full-Stack**: JavaScript/TypeScript (React, Next.js), Node.js, Python, RESTful API Design.
- **Infrastructure**: Docker, Portainer, Firebase (FCM, Firestore), Git, Linux Administration.
- **Databases**: Redis, PostgreSQL, MongoDB.

LANGUAGES

- **English**: Professional Working Proficiency (C1 Reading, B2+ Speaking/Writing).
- **German**: Elementary (A1).