

# 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 comprehensive 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

- **imeOffice (Corporate Mobile App)**: Led the end-to-end development of a comprehensive corporate mobility suite featuring real-time reporting, resource management, and Firebase-based push notification infrastructure.
- **SmartDash (Battery Monitoring)**: Engineered a specialized mobile application for real-time diagnostics and data visualization, implementing low-latency **BLE (Bluetooth Low Energy)** communication for field hardware.
- **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.
- **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**.
- **Battery Test Bench System**: Engineered a high-performance automation platform using **Python** and **Next.js**, leveraging **Redis** for real-time data logging and automated reporting modules.
- **Fleet Management Admin Panel**: Built a comprehensive **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**.

## 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.

## PROJECTS & R&D

- **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:** Created a digital signage system for EV charging displays using Google Drive API for remote asset management and 24/7 synchronized operation.

## LANGUAGES

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

## REFERENCES

Available upon request.