

ÖMER BAYAR

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PROFESSIONAL SUMMARY

Full-stack software developer with hands-on experience in Flutter/Dart mobile development, R&D projects, embedded systems, and industrial IoT applications. Delivered a BLE-based industrial mobile app from early development through App Store release. Skilled in cross-platform mobile development, web apps, CLI tools, Bluetooth Low Energy (BLE), CAN-Bus/CAN-Open integration, and REST APIs. Experienced working remotely with version control workflows.

WORK EXPERIENCE

Liftern Automation Technologies Inc. Istanbul, Turkey

R&D and Software Developer Aug 2025 – Present

- Built an industrial-grade Flutter/Dart mobile application from early prototype to App Store release, enabling field technicians to manage elevator systems remotely.
- Engineered BLE communication layer between mobile app and ESP32 microcontrollers integrated with CAN-Bus/CAN-Open elevator control systems.
- Contributed to backend integration and validation pipelines for live deployed elevator systems.
- Participated in R&D activities including hardware-software integration testing and prototyping.

Freelance Software Developer Istanbul, Turkey

Mobile Application Developer Sep 2024 – Aug 2025

- Architected the initial mobile application structure and core features for an industrial IoT product (later continued at Liftern Automation Technologies Inc.).
- Maintained remote working discipline using version control and async collaboration tools.

Private Music Instructor Istanbul, Turkey

Guitar & Music Theory Instructor 2022 – 2025

- Delivered beginner-to-advanced guitar and music theory lessons, developing structured curricula for diverse student levels.

Dore Music Istanbul, Turkey

Sales Specialist & Team Lead Aug 2020 – Sep 2024

- Managed in-store and phone-based customer sales operations for a music retail environment.
- Led daily team coordination, task distribution, and performance tracking as team lead.

PROJECTS

EON-CONNECT — Flutter / Dart, BLE, ESP32, CAN-Bus/CAN-Open, REST API, Backend Services

Industrial-grade mobile application enabling real-time BLE communication with ESP32 devices connected to CAN-Bus/CAN-Open elevator control systems. Supports backend-based monitoring, remote management, and live system diagnostics.

Personal Projects — Python, Flutter, CLI tooling

A collection of real-world CLI tools (Python) and Flutter mobile applications. Full portfolio available at [GitHub](#) and [personal website](#).

EDUCATION

Istinye University Istanbul, Turkey

Associate Degree, Computer Programming Oct 2020 – Oct 2025

TECHNICAL SKILLS

Technical Skills: Flutter, Dart, Python, JavaScript, C, BLE / Bluetooth Low Energy, ESP32, CAN-Bus/CAN-Open, REST API, Node.js, Express.js, React, Next.js, Linux, CLI Development

Tools & Platforms: Git, GitHub, Xcode, App Store Connect, VS Code, AI Powered IDEs, Claude Ecosystem

ADDITIONAL INFORMATION

Spoken Languages: Turkish (Native), English (Working Proficiency)

Interests: Music, finance literacy, technology & computer science, fantastic culture

Military Service: Deferred