Abdalluh Essam *Software Engineer | Mobile Applications (Flutter)*

abdalluh.essam@outlook.com +201000615819 AbdalluhEssam abdalluh-essam abdalluh-essam.com

SUMMARY

I'm a Software Engineer specialized in Flutter, focused on building scalable mobile applications that deliver real business value in production environments. I don't just write code — I take ownership of turning ideas into reliable, high-performing products that are used by real users.
Throughout my experience, I've worked on delivering complete mobile solutions, paying close attention to performance, stability, and user experience under real-world conditions. I naturally take the lead in driving projects forward, organizing development flow, and ensuring that teams are aligned toward clear goals and deadlines.
My mindset is product-oriented — I focus on how features impact users, retention, and overall business success, not just implementation details. With the rapid evolution of AI and modern development workflows, I continuously adapt to leverage new tools and approaches that improve productivity while maintaining high engineering standards.
I aim to build applications that are not only technically solid, but also scalable, reliable, and capable of supporting real grow

SKILLS

- Languages: Dart (OOP), Kotlin, Java
- Mobile Development: Flutter (Android & iOS), Responsive UI, Performance Optimization
- State Management: Bloc, Cubit, GetX, Provider
- Architecture: Clean Architecture, Feature-based Structure, MVVM
- Local Storage: Hive, SQLite, SharedPreferences , Isar
- Backend Communication: REST APIs, Firebase (Firestore, Cloud Messaging, Storage), Supabase
- Tools & Workflow: Git, GitHub, GitHub Actions (CI/CD), Fastlane, Firebase Distribution
- Engineering Practices: Clean Code, Scalable Architecture, Production-ready Development

EXPERIENCE

Software Engineer | City Parking Integrated Solutions 2025 Nov – Present
Cairo, Egypt

Leading the development of smart parking systems, driving end-to-end delivery from architecture to deployment. Managing cross-functional efforts to ensure scalable, reliable solutions in real-world, high-traffic environments.

Instructor | ADA Egypt 2025 Apr – Present
Remote

Delivered Flutter training and guided developers on best practices, clean architecture, and real-world application development.

Software Engineer | Saudi Gulf Group 2022 Aug – present

Developed and maintained cross-platform Flutter applications used in production, ensuring performance, stability, and seamless system integration. Contributed to building reliable mobile solutions aligned with business needs.

Software Engineer | E-Code LTD, Mobile Applications 2025 Jan – 2026 May
Remote - Jordan

Delivered production-ready mobile applications, taking ownership of the full development lifecycle from design to deployment. Focused on building scalable architecture, optimizing performance, and ensuring smooth user experience across platforms.

Teaching Assistant | Obour Institute 2024 Aug – 2024 Dec

- Supported students in understanding core programming concepts and contributed to developing internal educational applications

EDUCATION

Bachelor's Degree of Management Information Systems, Obour Institutes 2020 – 2024

Obour Higher Institute for Management, Computers & Information Systems

- ***Grade*: *Excellent with Honors* (%91.74)**

PROJECTS

Smart Parking System – City Parking Integrated Solutions, End-to-end smart parking infrastructure designed for real-world, high-traffic environments, integrating hardware and software layers to manage parking operations efficiently. 2025 Nov – Present

- Led the development of a full parking management ecosystem including mobile applications, POS systems, and control dashboards.
- Integrated with hardware devices (gates, loops, photocells, ANPR cameras) to enable automated vehicle detection and access control.
- Developed POS solutions (Android Native) for on-ground operators to handle ticketing, payments, and real-time parking operations.
- Implemented secure payment workflows supporting multiple providers (e.g., Fawry, e-finance, Visa) with reliable transaction handling.
- Built real-time communication between systems using event-driven architecture for instant updates and monitoring.
- Ensured system performance and reliability under high-load scenarios with continuous monitoring and optimization.

Tech Stack: Flutter, Android (Native), WebSockets, Firebase

Flutter Developer Tooling (Flutter Forge) 2024 Jan – 2026 Jan

Developed custom tooling and extensions to accelerate Flutter development workflows and improve developer productivity.

- Built internal and public tools to automate project setup, enforce clean architecture, and standardize code structure.
- Developed features for dynamic project generation, feature scaffolding, and configuration management.
- Created plugins/extensions for VS Code and JetBrains IDEs to streamline repetitive development tasks.
- Reduced development time and manual effort by automating common workflows used in real projects.

Try: **VS Code Extensions,** **JetBrains Plugin Developmen**

TeslaVIP – Ecode LTD 2025 Jan – 2025 Aug

A premium ride-hailing application similar to Uber, developed for the Jordanian market.
The app offers advanced features for drivers and passengers, including smart trip management, live tracking, in-app payments, and seamless UI/UX.
Tech Stack: Flutter, Cubit, RESTful API, Firebase Notification, Google Maps API

Google Play

Qucik Wash (Avnology) 2025

Quick Wash – Premium Laundry Service at Your Doorstep

Google Play **.** - **Apple Store**

Quick Wash Driver (Avnology) 2025

QuickWash Driver is the official app for QuickWash drivers, designed specifically to facilitate smart and organized pick-up and delivery management.

Apple Store

OI Tawasol - Obour Institutes 2024 Sep – 2024 Dec

Developed the "OI Tawasol" app for Obour University students, facilitating seamless access to academic profiles, e-payment for fees, real-time notifications, and responsive design for mobile and desktop. Built with Flutter, Firebase, and Laravel API integration.

Google Play - Apple Store

Glus Family - Saudi Gulf Group 2023

ERP System & Ecommerce

Google Play - Apple Store

LANGUAGES

- Arabic
- English