

Abdulrahman Allam

Software Engineer | Mobile Engineer | Flutter Developer

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SUMMARY

Flutter Developer with 3+ years of experience shipping 15+ cross-platform mobile applications across iOS and Android for 50+ clients globally. Specialised in IoT integration, real-time data synchronisation, and native Android Bluetooth, with a track record of owning the full product lifecycle from architecture to production deployment.

SKILLS

- **Mobile:** Flutter, Dart, Android (Native), Cross-Platform Development (iOS & Android)
- **Real-Time & IoT:** Socket.io, Bluetooth Low Energy (BLE), IoT Integration, WebSockets, REST APIs
- **Backend & Data:** Firebase, Supabase, SQLite, Real-Time Sync, Push Notifications
- **Payments & Maps:** In-App Purchase (IAP), Google Maps, GPS Integration
- **Tools:** Git, Figma, Postman, Agile / Cross-functional Collaboration

EXPERIENCE

Flutter Developer

2023 – Present

Freelancer

- **Shipped** 15+ production-grade cross-platform applications to the App Store and Google Play, serving 50+ global clients across healthcare, automotive services, transportation, e-commerce, and real-time communication verticals.
- **Deployed** [Doctor Online](#) on Google Play, a healthcare marketplace enabling remote consultations across 4 medical specialties, by implementing Firebase data synchronization and In-App Purchases.
- **Built** [El Herafyeen](#) on Google Play, an automotive service marketplace connecting users to towing, maintenance, and shipping centers, by configuring real-time GPS service discovery and Google Maps integration.
- **Engineered** [Safir Chat](#) on the App Store, a real-time messaging application delivering instant message routing and push notifications, by designing a reactive Supabase backend architecture.
- **Developed** [Commute Travel](#) on the App Store, a ride-sharing platform connecting passengers and drivers with trip booking, live status tracking, and a dual-rating trust system, by implementing OTP-verified authentication and a driver/vehicle approval pipeline.
- **Created** [Loop Market](#) on the App Store, a community marketplace for buying and selling goods, by building real-time buyer-seller chat, faceted product search and filtering, and a user rating/reporting system.

Flutter Developer (Mobile IoT)

Mar 2025 – Apr 2026

ARU Group · Hybrid · Part-time

- **Launched** the [ARU Smart](#) cross-platform home automation app on Google Play to enable multi-property device and scene control by architecting the mobile codebase from scratch.
- **Optimized** wireless device discovery, pairing, and command transmission lifecycles to achieve near-instant response times by engineering a native Android Bluetooth (BLE) integration without third-party bridge libraries.
- **Enabled** live remote monitoring and state synchronization at scale across large IoT deployments by integrating Socket.io real-time pipelines and REST APIs.
- **Scaled** system architecture stability to support hundreds of connected hardware devices per property by leading technical performance reviews with cross-functional development teams.

Software Engineer – Mobile Developer (Flutter)

Oct 2024 – May 2025

ELARABY Group · Hybrid · Internship

- **Eliminated** an estimated 867–1,483 EGP in daily operational losses (316K–540K EGP/year) from manual paperwork overhead by spearheading the development of the [ELARABY Reporting System](#) to digitize 40 daily fault reports and 60 spare-part retrievals.
- **Accelerated** multi-department workflow velocity by cutting per-report processing time from 5–10 minutes of manual effort down to a single digital submission using real-time multi-tier approval routing and automated spare-parts coordination.
- **Reduced** manual data-entry time by up to 6 hours per day while increasing cross-department visibility by centralizing the breakdown lifecycle (fault, approval, parts, resolution) into a unified Flutter and Supabase platform.
- **Secured** 2nd Place (Media / Featured Category) out of all corporate intern submissions by validating measurable system business impact and architecture stability within an industrial enterprise environment.

EDUCATION

Faculty of Electronic Engineering, Menoufia University

Oct 2023 – Oct 2027

B.Sc. in Computer Engineering & Computer Science