

AHMED TOHAMY ELSAYED

Software Engineer - Flutter Developer

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SUMMARY

Senior Flutter Developer with 4+ years of software engineering experience, specializing in scalable cross-platform applications using Flutter, Clean Architecture, and BLoC. Experienced in IoT, fintech, enterprise systems, and leading end-to-end product delivery.

EDUCATION

Benha University – Shoubra Faculty of Engineering

Sep. 2020 – Jun. 2025

B.Eng. in Computer and Communications | CGPA: 3.01

Shoubra, Cairo

- Graduation project: Integrated **Flutter** with **ESP32** for mobile-IoT communication; received an **Excellent** rating.

Full Stack Web Development using .NET – ITI

May 2022 – Aug. 2022

Trainee

Benha

- Built back-end services in **C#** and **.NET Core**, with front-end in **Angular**.

TECHNICAL SKILLS

Languages: Dart, Kotlin, Java

Architecture: Clean Architecture, MVVM, SOLID

Mobile & State: Flutter, Android, BLoC, Riverpod

Backend & Tools: REST APIs, Firebase, SQL, NoSQL, Git

EXPERIENCE

The Art Click - UK/KSA

Sep. 2025 – Present

Senior Flutter Developer | Flutter, Dart, BLoC/Cubit, Clean Arch, Dio, Firebase, JWT, CI/CD

Full-time - Cairo

- Delivered production customer/merchant Flutter apps using modular **Clean Architecture** and **BLoC**.
- Integrated secure payment gateways, JWT authentication with token rotation, remote configuration, and push notifications.

Esca Food - TUR

Jan. 2025 – Feb. 2026

Technical Consultant | Architecture Review, Code Auditing, Project Oversight

Part-time - Remote

- Reviewed software architecture, implementation quality, and delivery milestones across external development teams.
- Conducted code reviews and technical audits on behalf of the business owner to ensure scalability and software quality.

Digital Innovation Centre (DIC) - UK/CZ

Nov. 2024 – Jan. 2026

Senior Flutter Developer | Flutter, Dart, BLoC, MQTT, REST APIs, Firebase, IoT, WebSockets, Git

Full-time - Remote

- Led development of enterprise Flutter apps for sustainability and IoT-enabled solutions.
- Collaborated with international research teams to architect cross-platform systems and cloud integrations.

Extend IT Solutions - SYR

Jul. 2024 – Jan. 2025

Flutter Developer | Flutter, Dart, BLoC, Dio, REST APIs, WebSockets, Git

Contract - Remote

- Built restaurant management apps with **Flutter**, **Dio**, and **BLoC** state management, implementing real-time API sync and WebSockets.
- Significantly improved rendering performance and reduced app loading times through efficient state management.

Ministry of Communications and Information Technology (MCIT)

Dec. 2023 – Oct. 2024

Programming Instructor | OOP, Algorithms, Data Structures, Java, Kotlin, Dart, Flutter

Part-time - Cairo

- Instructed 120+ students in programming fundamentals, OOP, algorithms, and data structures.
- Developed curriculum and mentored mobile app projects, achieving an 85% completion rate.

Smart Code - System and Administrative Solutions

May 2022 – Aug. 2023

Software Support & Deployment Engineer | POS Systems, Hardware, Networking, Fiscal Devices

Full-time - Cairo

- Deployed and maintained POS systems, networking equipment, receipt printers, barcode scanners, and fiscal devices for retail clients.
- Conducted customer training sessions and provided ongoing technical support for daily operations.

Xiaomi Egypt

May 2019 – Apr. 2022

Manual QA Tester | ADB, Manual QA, OTA, Logcat, Bug Tracking

Part-time - Cairo

- Executed manual testing of MIUI/HyperOS OTA releases and validated installation/rollback cycles across multiple devices.
- Collected and triaged system logs and diagnostics using Android Debug Bridge (ADB), coordinating hotfixes with firmware teams.

PROJECTS

IGotPlans | **User** | **SP** | **Manager** | **Flutter, BLoC, MyFatoorah, App Store**

May 2026

- Developed the multi-app event ecosystem containing Customer and Service Provider apps (MyFatoorah gateway, Google Maps, social feed) and the staff Check-In app (QR scanning via mobile_scanner).

Iden | **Flutter, Signals, BLoC, Retrofit, fl_chart, RTL, App Store**

Mar. 2026

- Created a digital business card (vCard) and scheduling app with signals_flutter state management, appointments booker, and full RTL/Arabic localization.

Seawise - Maritime Emission Tracking | **Flutter, BLoC, OpenStreetMap, MQTT, fl_chart, freeRASP**

Jan. 2026

- Built a real-time shipping life cycle assessment dashboard streaming vessel coordinates (OpenStreetMap) and calculating GHG/CO/SOx/NOx metrics from MQTT/WebSocket telemetry.

POS Management System - Mini ERP | **Flutter (BLoC), Laravel 10, MySQL, REST, RTL**

Mar. 2025

- Built Flutter mobile client (RTL/Arabic) and Laravel backend with clean Services/Policies structure, featuring sales invoices and multi-payment reconciliation.

PulseHub - Enterprise User Management | **Flutter, Firebase, BLoC, REST**

Feb. 2025

- Centralized authentication backbone with RBAC and MFA supporting 2,000+ concurrent users.

CloudMate Sensor Platform | **Flutter, IoT, MQTT, BLoC, Real-time**

Jan. 2025

- Ingests live MQTT telemetry from 500+ building sensors into real-time status dashboards with QR-based hardware onboarding.

PulseFin - Financial Management | **Flutter, Secure API, BLoC, Encryption**

Oct. 2024

- End-to-end encrypted workflows compliant with financial requirements, featuring advanced custom reports and forecasts.

ProjectsHub - Program Management | **Flutter, Firestore, Provider, REST**

Sep. 2024

- PRINCE2-inspired program delivery workspace for PMOs managing portfolios, risk registers, and reusable assets.

Motobox Ecosystem | **Play Store** | **App Store** | **Flutter, BLoC, WebSockets, background_service**

Aug. 2024

- Developed Customer app (order tracking, wallet), Partner Store app (menu CRUD), and Driver app (WebSocket location telemetry and background isolates).

Qurani | **Flutter, Audio, AR Compass, Offline Caching, Play Store**

Jul. 2024

- Worship companion with customizable Quran reader, location-based prayer alerts, and AR Qibla finder (500+ downloads).

Delta University Tables | **Flutter Web, PWA, Admin Console, Website**

Jun. 2024

- Web and PWA console for staff to manage academic timetables, task trackers, and risk logs from any browser.

Sleep Manager (OSS) | **Flutter, BLoC, Firebase, GitHub**

Dec. 2023

- Open-source sleep logging app scaffold demonstrating clean architecture with BLoC and Firebase hooks.

Negoom El-Rewayat | **Flutter, Firebase, AdMob, Community, Play Store**

May 2023

- Reached 158K+ readers across MENA with offline caching, reader customization, and full AdMob integration.

AOSP Contributions - Xiaomi Mi 10T | **Android, Java/Kotlin, Bash, Linux**

Sep. 2022

- Resolved 15+ kernel and system bugs, improving battery life by 20% for Xiaomi device trees.

VOLUNTARY WORK

Resala Charity Organization

Jan. 2024

Flutter Development Instructor

Dokki Branch, Cairo

- Weekly advanced Flutter workshops for 30+ participants (state management, architecture, REST).
- Authored curriculum and hands-on exercises for real-world app builds.
- Mentored 15+ learners; 10 apps published.