ALI ELSAYED ALI MOHAMED

Mobile Software Engineer | Flutter | Firebase

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PROFESSIONAL SUMMARY

Mobile Software Engineer with 3+ years of experience building production-grade, cross-platform applications using Flutter and Dart for enterprise, government, and commercial clients. Skilled in Clean Architecture, state management (Bloc, Provider), and Firebase, with supporting experience in .NET and modern web technologies (React, Next.js).

- Published production of mobile applications on Google Play and the Apple App Store.
- Delivered an enterprise, multi-tenant ERP mobile solution (Compass, Tenex, Prop, Job).
- Developed government applications with UAE Pass authentication (Sharjah Municipality, Compass ERP).
- Built multilingual applications supporting Arabic and English.
- Integrated secure payment gateways, improving donation transaction success by 25%.

SKILLS

Mobile Development: Flutter, Dart, State Management (Bloc, Provider), Clean Architecture & Modular Design, Offline Data Handling & Caching (SQLite, Hive), Background Services & Notifications (FCM), App Publishing (Google Play & App Store)

Backend & Services: .NET Framework (MVC, API Services), Firebase (Auth, Firestore, Cloud Functions, FCM, Payments), RESTful API Integration

Testing: Widget Testing, Integration Testing

Tools & Engineering Practices: Git, Figma, Postman, REST APIs, UI/UX Design, Responsive Design

CI/CD & Deployment: CI/CD using Firebase & Fastlane, automated build and release pipelines, app versioning and store distribution, Google Play Console & Apple App Store releases

Web Development: HTML, CSS, JavaScript, Bootstrap, React.js, Next.js, TypeScript, Tailwind CSS

PROFESSIONAL EXPERIENCE

Mobile Application Developer — Compass International LLC | 05/2025 – Present | Dubai, UAE

Tech Stack: Flutter, Bloc, Firebase, REST APIs, UAE Pass, Clean Architecture

- Implemented UAE Pass authentication, enabling secure, government-compliant login across the application.
- Integrated in-app payment gateways, enabling smooth and secure in-app transactions.
- Configured Firebase Cloud Messaging (FCM) to deliver real-time push notifications, improving user engagement.
- Applied Clean Architecture and clean-code principles, ensuring a maintainable and scalable codebase across a multi-tenant application.
- Managed application state using modern Flutter state management solutions, improving responsiveness and stability across 40+ screens/modules.
- Optimized application performance, reducing load times, and enhancing overall user experience.
- Wrote widget and integration tests to validate critical user flows, improve release confidence, and reduce regression.

Flutter Developer — Fourth Pyramid | 03/2024 – 01/2025 | Mansoura, Egypt

Tech Stack: Flutter, REST APIs, React, Next.js

- Developed and maintained cross-platform mobile applications using Flutter, delivering responsive UI and smooth user experience.
- Integrated third-party APIs and backend services to support scalable, feature-rich applications.
- Applied clean-code practices, reusable components, and structured state management, reducing bugs and improving delivery speed.
- Collaborated with design and frontend teams, contributing to web interfaces (React, Next.js) alongside mobile development.

FEATURED PROJECTS

Compass ERP — Compass International Multi-Tenant ERP System *Flutter • Firebase • REST API • multi-Tenant • Flutter Flavors*

- Built a multi-tenant enterprise mobile platform (Compass, Tenex, Prop, Job, and others) using Flutter Flavors for cross-tenant, cross-platform performance.
- Published and maintained on Google Play and the Apple App Store.

App Store • Google Play

Saud Bin Rashid Charity — Donation Platform *Flutter • Firebase • Payment Gateway*

- Built a secure donation platform with integrated payment gateways.
- Improved transaction success rate by 25% through a streamlined, seamless checkout flow.

App Store • Google Play

MFC — Sharjah Municipality Residency Medical Examinations *Flutter • UAE Pass • Multilingual*

- Developed mobile modules that digitized residency medical exam workflows for a government client.
- Reduced administrative processing time by 30% through workflow automation.
- Delivered Arabic/English multilingual support and UAE Pass login, increasing trust and reach.

Sirat — Offline-First Mobile Application *Flutter • Offline Caching • Geolocation • Background Audio*

- Built a modular, Clean-Architecture mobile application with offline data caching and background audio playback.
- Implemented geolocation services and custom notification workflows across complex user flows.

Google Play

Shoply — Multi-Role Order Management App *Flutter • Firestore • Cloud Functions • FCM*

- Built a Flutter application supporting multiple user roles with role-based views.
- Implemented real-time order management using Firestore and event-driven notifications via Cloud Functions and FCM.

Code Craft — Personal Portfolio Platform *Next.js • TypeScript • Tailwind CSS • Firebase*

- Built a full-stack portfolio platform with a custom dashboard enabling content creation and management without code, backed by Firestore and Firebase Authentication.
- Optimized for performance and SEO using server-side rendering.

Live Site

CERTIFICATIONS

- Mobile Development using Flutter — Information Technology Institute (ITI), 07/2022
- Responsive Web Design — freeCodeCamp, 05/2024

EDUCATION

Bachelor of Software Engineering — Mansoura University

- Graduation Project: "Alzheimer's Patient Assistant" — AI/IoT system to assist individuals with neurodegenerative challenges (Grade: A+).

LANGUAGES

- Arabic — Native
- English — Professional Working Proficiency