

KHALED HAMDY

Flutter Developer | Mobile Application Developer

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PROFESSIONAL SUMMARY

Flutter Developer with 3+ years of experience building and maintaining scalable mobile applications for Android and iOS. Strong hands-on skills in Flutter and Dart, mobile architecture, RESTful APIs, Firebase, Git, and app integration. Experienced in turning product requirements and Figma designs into responsive mobile interfaces, debugging issues, and delivering clean, reliable, maintainable code. Built applications across healthcare, AI, e-commerce, food delivery, and real-time messaging domains.

CORE TECHNICAL SKILLS

- **Mobile Development:** Flutter SDK, Dart, Cross-Platform Mobile Development, Android, iOS
- **Architecture & Design Patterns:** Clean Architecture, MVVM, Repository Pattern, SOLID Principles, Clean Code
- **State Management:** BLoC, Cubit, Provider
- **APIs & App Services:** RESTful APIs, Dio, HTTP, JSON Serialization, WebSockets, Firebase, Firestore, Firebase Authentication, Firebase Cloud Messaging (FCM)
- **Mobile Features:** Authentication, Real-time Messaging, Secure Payment Integration, Generative AI APIs (Google Gemini, OpenAI), Real-time Data Streaming
- **UI/UX:** Responsive and Adaptive Layouts, Custom Widgets, Custom Animations, Skeleton Screens, Theme Management, Figma to Flutter
- **Tools & Engineering:** Git, GitHub, Postman, Android Studio, VS Code, CI/CD Pipelines, Agile/Scrum
- **Quality:** Testing, Debugging, Error Handling, Performance Optimization, Clean and Maintainable Code

PROFESSIONAL EXPERIENCE

Flutter Developer / Mobile Application Engineer | Freelance & Contract

2023 - Present

- **Developed and maintained cross-platform mobile applications for Android and iOS using Flutter and Dart across Healthcare, AI, E-Commerce, and Food Delivery projects.**
- **Worked with stakeholders and designers to understand requirements and turn Figma designs into responsive, user-friendly mobile interfaces.**
- **Integrated RESTful APIs and backend services using Dio, HTTP, JSON serialization, Firebase, and WebSockets.**
- **Implemented Generative AI capabilities using Google Gemini and OpenAI APIs, including contextual AI chat, automated reporting, and real-time streaming workflows.**
- **Implemented authentication and secure payment flows, including Firebase Authentication and Visa payment gateway integration.**
- **Applied Clean Architecture and BLoC to improve app structure, performance, maintainability, and testability.**
- **Used Git for version control and worked with Agile/Scrum practices to support collaborative development and delivery.**

SELECTED PROJECTS

RecoMind - AI-Powered Smart Assistant & Analytics

Built an AI mobile application with Flutter, integrating Google Gemini and OpenAI APIs, real-time chat, streaming, caching, and error handling.

Shefaa - Comprehensive Healthcare Platform

Built a healthcare mobile app for appointments, doctor search, digital records, and REST API integration using Dio, Clean Architecture, and BLoC.

Open Fashion - E-Commerce Platform

Built a scalable e-commerce mobile app with secure Visa payments, checkout, cart, product catalogs, filters, and performance optimization.

Hungry App - Food Delivery System

Built a food delivery mobile app with REST API integration, token-based login, cart management, meal customization, and loading states.

Scholar Chat App - Real-time Messaging

Built real-time chat features using Firebase Firestore and Firebase Authentication, including user presence and live conversation sync.

Espresso App - UI/UX Case Study

Designed and developed a responsive beverage showcase mobile app with fluid micro-animations and responsive layouts.

EDUCATION

Mansoura University - Bachelor of Computer Science / Engineering

Graduated: 2026 | Focus: Mobile Application Development & Software Engineering

ACHIEVEMENTS & AWARDS

- Certificate of Participation - Create Apps Championship (2025-2026)
- Recognized by the Dubai Chamber of Digital Economy for innovation and excellence in mobile application development.

LANGUAGES

Arabic: Native | English: Professional Working Proficiency