

Fares Samy Mohamed

Flutter Developer

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Summary

Flutter Developer with 3+ years of experience building production-grade applications across mobility, social commerce, financial markets, and healthcare. Skilled in Clean Architecture, BLoC/Cubit, real-time systems (WebSocket, [Socket.IO](#) [↗](#), and SSE), secure API integrations, offline-first development, and CI/CD. Experienced in leading Flutter product development and building reusable design systems for responsive Arabic/English applications. Open to remote opportunities and relocation.

Education

Bachelor of Science

2020 – 2024 | Benha, Egypt

Benha University, Faculty of Science

- Graduation Project — [Speaking Fingers](#) [↗](#) — Arabic Sign Language Recognition System (YOLOv8 + TFLite)
- Built a realtime Arabic Sign Language recognition system using YOLOv8 and TensorFlow Lite.
- Optimized on-device ML inference for mobile deployment with low latency and efficient memory usage.
- Integrated camera stream processing and realtime prediction workflows inside Flutter application.
- Contributed to dataset preprocessing, model training, evaluation, and deployment pipeline.
- Applied computer vision techniques for gesture detection and classification.
- Graduation Project **Grade: A+**

Experience

ALOHA DOT

05/2024 – Present | Cairo, Egypt

Flutter Developer

- [DotChat](#) [↗](#) is a Flutter social-commerce super-app combining feeds, realtime chat, **marketplace, wallet, bill payments, and KYC**
- Built with Clean Architecture + BLoC/Cubit, efficient **Dio networking (Fernet)**, **offline caching (Hive)**, and Firebase (FCM/Crashlytics).
- Owned core commerce & account modules (**Account/Profile, Cart, Orders, Favorites, Business, Products, Settings**)
- **Implemented KYC flows and Recommended Products experiences; contributed to Marketplace feature delivery.**
- **AI Chatbot Integration:** Developed and integrated an **intelligent chatbot** module using **RESTful APIs** and **JSON parsing** to automate customer support and enhance user guidance within the commerce flow.
- Integrated **realtime + offline-ready experience using Socket.IO** and Hive caching across critical user journeys.
- Built secure networking layer with Dio + **encrypted payload handling (Fernet)** and **environment management (Envied)** for sensitive flows.
- Contributed to Wallet, Feeds, and Chat collaborated on shared services and customized [flutter animated reaction](#) [↗](#) for reactions UX.
- [Lymo](#) [↗](#) — Ride-Hailing & Mobility App: Implemented a product-wide UI rebrand and built a reusable design system to deliver a consistent, responsive user experience.
- Redesigned key flows including ride history, trip details, invoices, ongoing rides, chat, profile, settings, support, notifications, and SOS.
- Improved maintainability through reusable widgets, localization support, state and navigation refactoring, null-safety, and widget testing.

ALHAMD

02/2026 – Present | Mokattam, Egypt

Flutter Developer (Part-time)

- Led the development of multiple Flutter products for gold-market analytics and trading signals.
- **Mizan Dahab:** Led the development of real-time gold-price dashboards and advanced interactive financial charts with candlesticks, RSI, multiple timeframes, zooming, panning, and live WebSocket updates.
- **Mizan Signals:** Led the development of a trading-signals and notifications platform using SSE for real-time updates with automatic reconnection and exponential backoff, alongside FCM notifications and app badges.
- Built gold calculators, subscription flows, admin dashboards, user/group management, notification templates, and notification history.
- Delivered secure, responsive Arabic/English experiences using JWT authentication, secure storage, localization, and reusable UI components.

InTechnology

01/2024 – 06/2024 | Giza, Egypt

Flutter Developer

- Delivered [Thrifty Car](#) [↗](#) (Mobile + Web) with GetX and REST APIs, including bilingual UI and responsive layouts.
- Built **Admin Panel workflows** for inventory CRUD and multipart image uploads, improving daily operations.
- Implemented authentication/session persistence using SharedPreferences/Secure Storage and standardized API layer.

Rstar

06/2023 – 08/2023 | Giza, Egypt

Flutter Developer Intern

- Implemented UI screens and API integrations; fixed bugs and improved stability under team code-review workflows
- Practiced Git-based collaboration (branches/PRs) and reusable widget patterns.

Projects

WSAL — Digital Business Card App [↗](#)

Freelance · Flutter (iOS & Android)

- Built a production digital business-card app with Clean Architecture — Cubit state management, hand-wired get_it DI, GoRouter navigation, and dartx Either-based error handling across a modular feature-based codebase.
- Implemented multi-channel card sharing: **NFC tag activation**, customizable and exportable **QR codes, Apple & Google Wallet passes**, home-screen widgets, and **OCR business-card scanning** for contact capture.
- Developed a **RevenueCat** subscription and entitlement layer with paywall presentation, plan-based feature gating, cross-device purchase transfer, and automatic card locking on plan expiry.

- Secured the networking layer with a layered Dio interceptor chain (Firebase **App Check**, auth-session refresh, retry, and log redaction) and moved API secrets to build-time obfuscated injection via **Envied**.
- Delivered a bilingual **AR/EN RTL** experience with a responsive ScreenUtil design system, Android product flavors (staging/production), and automated iOS delivery through **GitHub Actions + Codemagic**.

Clinexa

Healthcare SaaS - Full Stack

- Built patient + doctor apps with **Clean Architecture** using **BLoC/Cubit**, **get_it** DI, and Dio for scalable feature delivery.
- Implemented appointment lifecycle (**book/reschedule/cancel/history**) and profile management, including media upload flows .
- Added prescriptions module with **PDF generation/printing**, sharing, and standardized domain models/DTOs.
- Integrated realtime updates and alerts via **Firestore RTDB + FCM + local notifications**, with secure session storage (secure_storage/shared_preferences)

Dokkan Pos

Full Stack

- Developed a scalable Point of Sale (POS) and Inventory app using Flutter, Riverpod for state management, and GoRouter for navigation
- Built an offline-first database using **Drift (SQLite) and Dio**, ensuring uninterrupted transactions and seamless API synchronization.
- Integrated POS hardware capabilities, **including real-time barcode scanning**, PDF generation, and **Bluetooth/TCP thermal printing**.

Sneakers App

Full Stack

- Built a modular Flutter e-commerce app using **GetX (state/routing/DI)** with a clean separation across view/controller/data/core.
- Implemented full shopping experience: **catalog/categories/search**, favorites/cart, and session persistence via SharedPreferences.
- Integrated **Stripe PaymentSheet** for checkout and **Google Maps + Geolocator** for address selection and delivery tracking workflows.

Furniture Shopping App

Full Stack

- Built a multi-screen Flutter e-commerce app using **GetX (state/routing/DI)** and REST APIs for products, cart, favorites, and orders.
- Implemented authentication with **JWT** and persisted sessions using SharedPreferences, plus responsive UI using ScreenUtil.
- Standardized media/UI loading with CachedNetworkImage and delivered splash/branding via flutter_native_splash.

Skills

- **Mobile Development:** Flutter | Dart | Flutter Web | Clean Architecture | BLoC / Cubit | GetX | Dependency Injection (get_it) | GoRouter | Responsive & Adaptive UI | Offline-First Applications | Localization (AR/EN) & RTL Support
- **Networking & Real-Time:** Node.js (Express) | REST APIs | Dio | Interceptors & Retry Logic | Socket.IO | WebSocket | SSE | Multipart Requests | JWT Authentication & Authorization |
- **Firestore & Cloud:** Firebase Authentication | Cloud Firestore | Realtime Database | Cloud Storage | Cloud Messaging (FCM) | Crashlytics | App Check / Play Integrity | Push & Local Notifications
- **Security & Local Storage:** Secure Storage | Hive | SharedPreferences | Envied | Fernet Encryption | Offline Caching
- **Device Features & Integrations:** NFC | QR Generation & Scanning | Barcode Scanning | Apple & Google Wallet Passes | Home Screen Widgets | Deep Linking | Camera & Image Processing | Google Maps | Geolocator | PDF Generation | Thermal Printing
- **Payments & Subscriptions:** Stripe | Fawry | PayTabs | RevenueCat (In-App Subscriptions)
- **Charts & Data Visualization:** Candlestick Charts | RSI Indicators | Interactive Charts | CustomPainter | Syncfusion Charts
- **Testing, CI/CD & Tools:** Unit & Widget Testing | bloc_test | Mocktail | Git / GitHub (Branching, PRs) | GitHub Actions | Codemagic | Fastlane | Product Flavors & Build Environments | Google Play Console | App Store Connect
- **AI & Machine Learning:** TensorFlow Lite (TFLite) | YOLOv8 | Computer Vision | Google ML Kit (Text Recognition)

Languages

- Arabic— Native
- English — Professional Working Proficiency