

# MOHAMED MAMDOUH AMER

Senior Flutter Engineer · Specializing in Scalable Architecture & Performance Optimization  
dev@mohamedmamdouh.com · [Portfolio](#) · [LinkedIn](#) · [GitHub](#) · +201061715164

---

## TECHNICAL SKILLS

---

- **Core:** Flutter, Dart, Clean Architecture, BLoC, REST APIs, GraphQL
  - **Real-Time:** Socket.io, Server-Sent Events (SSE), Pusher, Agora RTC
  - **Payments:** Moyasar, Tabby, ClickPay, In-App Purchases (iOS & Android)
  - **Infrastructure:** CI/CD, Firebase, Git, Agile / Scrum
  - **Native Integration:** Platform Channels, Biometric Auth, Push Notifications, Deep Linking
- 

## PROFESSIONAL EXPERIENCE

---

**Senior Mobile Engineer** Dnaneer · *Full-time*

Riyadh, Saudi Arabia · Jan 2026 – Present

- **Core Auth & Compliance:** Designed and built the end-to-end auth module (Reg/Login/OTP), integrating FaceID/TouchID, Nafath identity verification, and complex 2-step Institutional KYC flows.
- **State Management Optimization:** Refined the Clean Architecture & BLoC/Cubit foundation, significantly improving testability and code modularity for dual investor profiles (Individual/Institutional).
- **UI System Engineering:** Built a reusable, localized (Ar/En) widget library (searchable dropdowns, smart filters), reducing technical debt by ~40% and unifying design consistency.

**Senior Technical Consultant** Siryah Alarab IT · *Contract*

Dammam, Saudi Arabia · Mar 2025 – Present

- **SAMA-Compliant Fintech Launch:** Sole engineer and developer of the *NFH* lending platform — delivered end-to-end in 6 months, covering biometric authentication, multi-step loan origination, real-time chat (Socket.io), and secure document management.
- **Regulatory Engineering:** Implemented SAMA-mandated security and compliance flows including identity verification, credit assessment pipelines, and audit-ready data handling.
- **White-Label Architecture:** Designed a modular, brand-agnostic codebase (Clean Architecture + BLoC) enabling rapid deployment for multiple financial entities with minimal per-client customization.

**Senior Flutter Engineer** Crunch LTD · *Full-time*

Dubai, UAE · Jan 2025 – Dec 2025

- **Architectural Redesign:** Led and delivered Crunch 2.0.0 — a full-scale redesign migrating from a monolithic codebase to Clean Architecture with BLoC, cutting feature development cycle time by ~30%.
- **Local-First Data Layer:** Built a robust local data management layer with intelligent caching, reducing redundant API calls and improving app responsiveness.
- **Real-Time Fintech:** Integrated Lean SDK with Server-Sent Events (SSE) for real-time bank account synchronization, eliminating manual data refresh friction.
- **Revenue Operations:** Resolved critical in-app purchase reliability issues (iOS & Android) by refactoring subscription flows with end-to-end receipt validation.
- **Growth Engineering:** Implemented GoRouter-based deep linking, enabling marketing-driven user acquisition campaigns.

**Lead Mobile Consultant** SOLDOUT · *Contract*

Saudi Arabia · Feb 2024 – Nov 2025

- **Revenue Impact:** Engineered real-time bidding flows with WebSocket-driven updates, directly contributing to **60% revenue growth** and scaling platform to **1M+ SAR revenue**.
- **System Rebuild:** Led a 4-person cross-functional team to build a live-bidding platform from the ground up, ensuring scalability for high-concurrency auctions.
- **Offline-First:** Designed data layers with intelligent caching to ensure reliability during critical live auctions on unstable networks.

**Senior Flutter Engineer**                      **Tayseer Finance**                      ·                      ***Contract***

**Dhahran, Saudi Arabia** · Aug 2024 – Mar 2025

- **Full-Scale App Rebuild:** Spearheaded the complete ground-up rebuild of the Tayseer Finance app, replacing an unstructured legacy codebase with clean MVC architecture — delivered within 7 months.
- **SAMA Regulatory Compliance:** Engineered compliance-critical features including secure loan application flows, identity verification, and financial data handling aligned with SAMA regulatory standards.
- **Dual-Track Delivery:** Simultaneously maintained the legacy production app (critical bug fixes, stability patches) while delivering the v2 rebuild on schedule — zero production downtime during the transition.

**Flutter Engineer**                      **Codelink**                      ·                      ***Full-time***

**Riyadh, Saudi Arabia** · Jun 2023 – Aug 2024

- **End-to-End Delivery:** Shipped 6 production apps across healthcare, edtech, recruitment, and fitness domains within 14 months, ensuring 98%+ crash-free rates.
- **Complex Features:** Built *Diet Watchers* (social auth, GPS tracking), *Tawzea* (real-estate crowdfunding, KYC, ClickPay), and *Hayatona Clinics* (Agora RTC video consultations).
- **Quality Assurance:** Established strict code review standards and improved call stability for telemedicine modules.

**Flutter Engineer**                      **Plementus**                      ·                      ***Full-time***

**Cairo, Egypt** · Feb 2023 – Jun 2023

- **Rapid Delivery:** Delivered 4 production apps as sole developer, including medical imaging solutions (*MRC*), *Red Bull Driver's App*, and an Odoo-integrated mobile ERP client.

**Flutter Engineer**                      **Skysoft**                      ·                      ***Long-term Retainer***

**Egypt** · Oct 2021 – Aug 2025

- **Enterprise Suite:** Developed and maintained a suite of enterprise sales tools (*Smart Sales*, *Smart Market*, *Smart Prices*) as the primary mobile developer, supporting long-term production use for B2B clients.

**Flutter Engineer**                      **Invasso**                      ·                      ***Full-time***

**NJ, USA (Remote)** · Jul 2021 – Feb 2023

- **Logistics Platform:** Developed *JTL Express* with real-time shipment tracking, route visualization, and driver dispatch workflows.
- **Regulatory Compliance:** Built *MXI* hazardous waste management suite, handling complex regulatory manifests and compliance workflows.
- **White-Label Solutions:** Delivered *ML Bagels* restaurant ordering platform with full order lifecycle management.

## **EDUCATION**

---

**Bachelor of Computer Science — Ahram Canadian University**

**Cairo, Egypt** · 2016 – 2020

---

## **LANGUAGES**

---

- **English** — Professional Proficiency
- **Arabic** — Native