

MOHAMED HUSSEIN AHMED

Senior Flutter Engineer | Mobile Application Developer

Sohag, Egypt | mo.hu2212@gmail.com | +20 1151205977 (WhatsApp)
linkedin.com/in/mohamedhussein-dev | github.com/mohu2212 | mohu2212.github.io
Open to: Remote | Hybrid | On-site | Open to relocation worldwide

PROFESSIONAL SUMMARY

Senior Flutter Engineer with 7+ years in mobile development, including 6+ years architecting production-grade cross-platform apps for iOS and Android. Delivered 20+ apps across healthcare, education, transportation, e-commerce, and IoT with measurable impact: 60% cost reduction, 99.7% crash-free rate. Expert in Clean Architecture and BLoC/Cubit, with full-stack capability spanning Laravel/Supabase backends, relational and NoSQL databases, and wearable hardware integration. Pharmacy degree adds unique healthcare domain expertise. Published open-source contributor on pub.dev. Currently at Numeralis (France).

KEY ACHIEVEMENTS

- **Co-founded a ride-hailing startup** (Waslly), cutting operational costs 60% via custom engineering that replaced costly third-party services
- **Maintained 99.7% crash-free rate** across 20+ production apps through robust architecture and testing
- **Zero security incidents** across HIPAA-compliant healthcare applications handling sensitive medical data
- **Published 2 open-source packages** on pub.dev, contributing to the global Flutter developer community

TECHNICAL SKILLS

Languages & Frameworks: Flutter, Dart, Java (Android Native), Kotlin basics

Architecture: Clean Architecture, MVVM, SOLID Principles, Dependency Injection

State Management: BLoC/Cubit (Expert), GetX, Provider, Riverpod

Backend & APIs: REST APIs, GraphQL, PHP/Laravel, Firebase (Firestore, Auth, FCM), Supabase, WebSockets, API Design & Integration

Database: PostgreSQL, MySQL, MongoDB, Firebase Firestore, SQLite, Hive, Offline-First Architecture

Security: SSL Pinning, AES Encryption, OAuth 2.0, HIPAA Compliance

DevOps & Testing: Git, GitHub Actions, CI/CD, Unit/Widget/Integration Testing, TDD

Platforms & Release: iOS & Android, Web, Desktop (Electron), App Store Connect, Google Play Console, TestFlight, Platform Channels, Native Integration

PROFESSIONAL EXPERIENCE

Senior Flutter Developer | [Numeralis, France \(Remote\)](#) *May 2026 – Present*

- Building mobile apps across diverse domains for European clients: a location-based recommendation platform (travel/leisure), a sports-club management system, e-commerce, and e-learning
- Integrated a saddle-mounted IoT sensor with the mobile app, processing real-time analytics on rider performance (posture, balance, and position) and syncing data bidirectionally with the server database
- Driving architecture decisions and code reviews within an international engineering team

Co-Founder & Lead Flutter Developer | [Waslly \(Startup\)](#) *Feb 2025 – Present*

- Co-founded ride-hailing startup, architecting dual-app ecosystem (passenger + driver) with real-time GPS tracking from the ground up
- Reduced operational costs by 60% by engineering custom solutions replacing costly third-party services, enabling higher driver earnings
- Owned full technical direction and product decisions. Tech: Flutter, BLoC/Cubit, Google Maps API, Firebase

Senior Flutter Developer (Freelance) *Jan 2019 – Jan 2025*

- Managed complete project lifecycle independently for 20+ cross-platform apps published to both the App Store and Google Play, across healthcare, education, and transportation, maintaining 99.7% crash-free rate
- Implemented Clean Architecture with BLoC/Cubit ensuring scalable, testable codebases across all projects
- Owned end-to-end delivery on multiple projects, building and maintaining backend services (Laravel, Supabase) alongside the mobile client, including database design, API development, and server-side business logic
- Designed offline-first architecture with local caching, achieving 70% performance improvement in low-connectivity environments
- Enforced security best practices (SSL Pinning, encryption) for HIPAA-compliant healthcare apps; established CI/CD pipelines with GitHub Actions, cutting release cycle time 50%

Android Developer (Native) *Jan 2018 – Dec 2018*

- Built native Android applications in Java, gaining platform-level foundations in Activity/Fragment lifecycle, Material Design, and Android SDK that continue to inform cross-platform architecture decisions

FEATURED PROJECTS

Emirates RX – Medical Platform (UAE): HIPAA-compliant pharmaceutical system with SSL Pinning. Achieved 70% faster access via offline-first architecture. Tech: Flutter, Clean Architecture, Hive.

EduNest – School Management Platform: Served 1000+ users with multi-role access. Reduced data transfer 40% via GraphQL. Tech: Flutter, BLoC, GraphQL, Firebase.

Al-Khudairy Medical Lab: Secure lab results platform with PDF generation and push notifications. Tech: Flutter, BLoC, Firebase, PDF Generation.

OPEN SOURCE & EDUCATION

Open Source: StepWise (pub.dev/packages/stepwise) – multi-step forms package | Dynamic Rail (pub.dev/packages/dynamic_rail) – navigation rail widget

Education: Bachelor of Pharmacy (PharmD), Sohag University, Egypt – 2024. Provides healthcare domain expertise (medical terminology, HIPAA, pharmaceutical workflows).

Languages: Arabic (Native), English (Professional – Advanced Reading/Writing, Intermediate Speaking)

Personal: Date of Birth: 22 Jan 2000 | Nationality: Egyptian | Single | Military service: Exempted