

Alaa Eldin Wael

Flutter Developer (Junior)

[LinkedIn](#) • [GitHub](#) • [Portfolio](#)

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Profile

Results-driven Flutter Developer with hands on experience building and shipping cross-platform mobile applications using Flutter, Dart, Firebase, and REST APIs. Proficient in clean architecture, SOLID principles, and state management patterns including GetX and BLoC/Cubit. Proven full-stack capability including designing and building custom PHP/MySQL REST APIs from scratch and integrating them end to end within Flutter mobile clients.

Education

Bachelor of Business Information Systems at Arab academy for science and technology, Cairo, Egypt

February 2021 - July 2025

Grade: 3.1

Coursework in programming, databases, software engineering, and web development, directly applied to cross-platform mobile app development.

Experience

Flutter Developer at Self-Employed (Freelance), Cairo, Egypt . Remote

March 2025 - Present

- Developed and delivered cross-platform Flutter applications for clients, covering UI development, REST API integration, state management, and app signing/deployment for Android (APK/AAB).
- Integrated Firebase services (Authentication, Firestore, Cloud Messaging) and Supabase into client apps, enabling real-time features and secure user management.
- Built and maintained a PHP/MySQL REST API backend for an e-commerce application, implementing cart, product, and user endpoints consumed by a Flutter mobile client.
- Applied Clean Architecture, SOLID principles, and GetX state management across projects, improving code maintainability and scalability.
- Managed end-to-end Fiverr client engagements including Figma/XD to Flutter UI conversion, bug fixing, and REST API integration gigs, delivering 2 client projects with a 5-star rating on Fiverr.

Skills

Mobile Development: Flutter • Dart • Android (APK/AAB) • iOS • Cross-Platform Development

State Management: GetX • BLoC / Cubit

Backend & APIs: REST API Integration • PHP • MySQL • Firebase (Auth, Firestore, FCM) • Supabase

Architecture: Clean Architecture • MVC • SOLID Principles • Design Patterns • Offline-First

Storage & Data: Sqflite • Local Caching • JSON Parsing • Shared Preferences

UI/UX & Design: Figma • XD-to-Flutter Conversion • Responsive UI • Material Design

Tools & Workflow: Git • GitHub • VS Code

Web (Basics): HTML • CSS • JavaScript • React • Python

Projects

Aura — E-Commerce Mobile App • [GitHub](#)

- Solely designed and built the entire backend from scratch, a custom PHP/MySQL REST API with 30+ endpoints and normalized database schemas, covering authentication, products, categories, cart, orders, coupons, favorites, addresses, and notifications endpoints.
- Developed the full Flutter frontend consuming the self-built API, implementing 15+ screens: onboarding, auth (login/register/forgot password), home, product details, categories, offers, cart, checkout, orders, favorites, address management, notifications, settings, and language selection.
- Implemented multi-language localization (Arabic/English), push notifications via FCM, and coupon/discount code support end-to-end across both the backend and Flutter client.

- Built offline-first local caching using Sqflite, integrated OpenStreetMap address picker (flutter_map + geolocator), and applied GetX clean architecture with single-instance controllers via bindings — eliminating duplicated API calls and improving app stability.

- Structured the project using MVC Clean Architecture with a clear separation across controller, data (datasource + models), view (screens + widgets), core services, middleware, and named routing layers.

Real-Time Chat App • [GitHub](#)

- Built a real-time messaging application using Flutter and Firebase, featuring user authentication, Firestore-based message syncing, and dynamic online/offline status indicators.

- Focused on clean UI implementation and efficient Firestore query structuring to minimize read costs and maintain responsive UX.

Notes App • [GitHub](#)

- Developed a note management app with full CRUD functionality, user authentication, and secure PHP API integration for persistent cloud storage.

- Implemented JSON data handling, error states, and loading feedback for a smooth user experience across network conditions.

Languages

Arabic - Native

English - Fluent

Certificates

Flutter & Dart: SOLID Principles and Design Patterns from Udemy • [Link](#)

December 2025

Clean architecture, design patterns, and scalable Flutter application structure.

Flutter Mobile App Development (Android & iOS) from Black Horse Courses • [Link](#)

September 2024

Dart fundamentals, Flutter widgets, Firebase basics, and cross-platform app delivery.