

KAREEM MAHMOUD

Senior Flutter & Mobile Developer | iOS & Android

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PROFESSIONAL SUMMARY

Senior Flutter & Mobile Developer with 2+ years of hands-on experience delivering production-grade cross-platform applications at scale, including a logistics platform with 2M+ downloads on Google Play and App Store. Expert in Flutter, Dart, and mobile architecture patterns (BLoC/Cubit, MVVM, Clean Architecture, Repository Pattern). Proven ability to own the full product lifecycle — from UI/UX collaboration and API integration to CI/CD pipeline configuration and store deployment. Experienced in enterprise ERP integrations, real-time WebSocket systems, NFC-enabled workflows, multi-gateway payment processing (Stripe, Paymob, Vodafone Cash), and bilingual RTL/LTR applications.

PROFESSIONAL EXPERIENCE

Mobile Application Developer

Jan 2025 – Present

AI-Drees Petroleum & Transport Services Company

On-Site | Riyadh, Saudi Arabia

WAIE App: | [App Store](#) | [Google Play](#)

- Architected, developed, and scaled **WAIE** — a high-traffic logistics and fuel services super-app achieving **2M+ downloads** across Android and iOS.
- Designed and built multiple **enterprise ERP-integrated mobile solutions**: Driver Dashboard (SAGO Logistics), Technician App, and NFC-enabled operational workflow tools.
- Implemented **NFC-based mobile transaction workflows** enabling secure, contactless field operations integrated with enterprise backend systems via RESTful APIs.
- Applied **Clean Architecture, BLoC state management, and SOLID principles** ensuring maintainability, testability, and scalability across all modules.
- Collaborated with cross-functional teams (backend, QA, product) to deliver end-to-end mobile solutions on schedule.

Mobile Application Developer

NG-Technology

Remote | Cairo, Egypt

- Planned, architected, and delivered a full-scale **E-Commerce Application (35+ screens)** and companion **Admin Dashboard** from scratch — product catalog, cart, checkout, order tracking, user authentication, and vendor management.
- Integrated **3 payment gateways** (Paymob, Stripe, Vodafone Cash) with error handling and retry logic, improving checkout success rates and supporting multiple payment methods.
- Led **UI/UX collaboration via Figma**, translated pixel-perfect designs into responsive Flutter widgets, and maintained API contract alignment with backend teams via Postman.
- Extended a **Financial Management Application** with dashboard analytics, clean transaction UI, robust filtering, and reporting features.

Flutter Developer

Ebuziness

Remote | Canada

- Developed **iBus Carrier Admin** — a Flutter-based fleet management app featuring company onboarding, authentication, role-based dashboards, and real-time operational data.
- Built route management module: create, view, and manage bus routes with availability status; implemented trip scheduling and upcoming trip views for operational planning.
- Designed and integrated an **analytics reports screen** with key metrics visualization; enabled real-time push notifications for trip events and system alerts via backend API.

KEY PROJECTS

WAIE — Logistics & Fuel Services Super-App

Flutter · Dart · BLoC/Cubit · Clean Architecture · REST API · Firebase · iOS & Android | [App Store](#) | [Google Play](#)

- High-traffic **fuel and logistics super-app** with **2M+ downloads**, serving individual and enterprise customers across Saudi Arabia for fuel ordering, logistics tracking, and fleet management.
- Developed **ERP-integrated modules**: Driver Dashboard (SAGO Logistics), Technician App, and NFC-enabled field transaction workflows; architected with Clean Architecture and BLoC.

Homemark — Home Services Marketplace

Flutter · Dart · BLoC/Cubit · REST API · Firebase · GetIt · iOS & Android | [App Store](#) | [Google Play](#)

- Built a **bilingual (Arabic RTL / English)** home services marketplace connecting customers with verified service providers across multiple categories (cleaning, maintenance, repairs).
- Developed **customer flows** (service discovery, scheduling, real-time order tracking, ratings & reviews) and **vendor flows** (profile management, availability, booking management, earnings dashboard).

- Integrated **Firebase Cloud Messaging** for push notifications and Firebase Analytics for user behavior tracking; feature-based MVVM + BLoC + GetIt dependency injection.

Wash Slender — Automotive Marketplace

Flutter · Dart · BLoC/Cubit · Dio · Firebase · WebSockets · Laravel Reverb · iOS & Android | [App Store](#) | [Google Play](#)

- **Bilingual (Arabic RTL / English)** automotive marketplace with complete customer flows (vendor discovery, orders, ratings, in-app live chat) and vendor flows (subscriptions, ad management, analytics).
- Integrated **real-time WebSockets via Laravel Reverb** (Pusher) for live chat and feed updates; Firebase Cloud Messaging for push notifications; obfuscated production builds deployed to both stores.

Yaqeen — Islamic Mobile Application

Flutter · Dart · Riverpod · GetIt · Firebase Cloud Messaging · OpenStreetMap · iOS & Android | [App Store](#) | [Google Play](#)

- Full-featured Islamic app: **Quran reader with audio playback**, Azkar, location-based prayer times, prayer streak tracker, Qibla compass, mosque map (OpenStreetMap), Hadith browser, and Hijri calendar.
- Architected with **feature-based Riverpod + GetIt**; optimized install size via on-demand audio loading and obfuscation; integrated automated prayer time notifications and FCM.

TECHNICAL SKILLS

Mobile Dev	Flutter, Dart (expert) · Swift & Native iOS (proficient) · Android & iOS
State Mgmt	BLoC, Cubit, Riverpod, Provider, GetX
Architecture	Clean Architecture, MVVM, MVC, MVP · SOLID Principles · Repository Pattern · Dependency Injection
APIs & Backend	RESTful APIs, Dio, HTTP · Firebase (Auth, Firestore, FCM, Analytics) · WebSockets · Laravel Reverb
Databases	Firebase Firestore · SQLite · Hive · Shared Preferences
DevOps & Tools	Git, GitHub · App Store Connect · Google Play Console · Figma · CI/CD · Postman
Languages	Dart · Swift · C++ · Java · Python
AI / ML	KNN, SVM, Logistic Regression, Deep Learning, Image Processing, Data Analysis
CS Fundamentals	Data Structures · Algorithms · OOP · Design Patterns

EDUCATION

Bachelor's Degree in Computer Science
Asyut University

Graduated 2024
Asyut, Egypt | GPA: 3.4 / 4.0

OPEN-SOURCE PROJECTS

Fall Detection App — AI-powered mobile fall alert system using on-device ML inference | [GitHub](#)
E-Commerce App — Full-featured Flutter shopping app with cart, checkout & order management | [GitHub](#)
Doctor Application — Medical appointment & telemedicine consultation platform | [GitHub](#)
Grocery Application — End-to-end grocery shopping mobile app | [GitHub](#)

ADDITIONAL INFORMATION

Soft Skills: Cross-functional teamwork & communication · Critical thinking & problem solving · Mentoring junior developers · Agile/Scrum workflows · Continuous self-learning
Languages: Arabic (Native) · English (Native / Fluent)