

Ahmed Kamal *Mobile Engineer*

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P Portfolio

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🛡️ Military Service Completed

Summary

Senior Mobile Engineer with 4+ years of experience building scalable Flutter and native Android applications. Delivered 20+ production apps across fintech, ride-hailing, e-commerce, and logistics, published on Stores.

Work Experience

Qeema Tech | Cairo, Egypt (Full Time)

06/2025 – Present

Senior Mobile Developer

- **Senior Lead for a high-volume software house**, overseeing the end-to-end development life cycle and technical architecture for multiple concurrent Flutter projects.
- Implemented **Shorebird (OTA)** and **CI/CD pipelines** to streamline release management and ensure zero-downtime updates for diverse client applications.
- Integrated advanced growth tools (Meta Pixel, AppsFlyer) and optimized performance for large-scale **logistics, delivery, and e-commerce solutions**.

DynaSystems | Cairo, Egypt (Part Time)

01/2026 – Present

Senior Mobile Developer

- **Lead Engineer for "Elraed Elaraby,"** a complex Saudi rewards ecosystem requiring high-concurrency state management and multi-role business logic.
- Developed a robust **manual transaction verification and digital ledger system** to manage financial rewards securely across four distinct user tiers.
- Optimized app performance and localized the user experience for the Saudi market using **easy_localization** and **GetX** to handle complex RTL layouts.

Reflex Software Company | Cairo, Egypt

12/2022 – 05/2025

Mobile Developer

- Built and maintained high-performance Flutter applications focusing on complex API integrations and responsive UI/UX design across multiple industries.

Venu Dine | Cairo, Egypt

01/2022 – 12/2022

Mobile Developer

- Contributed to the development of e-commerce and hospitality applications with a focus on seamless user journeys and robust state management.

Development Skills

Technical Skills: Shorebird (OTA), Scalable Feature-Based Architecture, WebSockets, Live GPS Tracking, Multi-Gateway Payments, Apple/Google Pay, PCI-DSS & GDPR Compliance, Meta Pixel, Firebase Analytics, FCM & OneSignal, AppsFlyer, Clean Architecture, State Management (Bloc, Riverpod, Provider), Internationalization & Localization (i18n), Background Geolocation, Firebase Remote Config, SSL Pinning, Code Obfuscation, Sentry/Crashlytics, Unit & Widget Testing, Performance Optimization, CI/CD Integration

Project Management & Collaboration: Agile/Scrum, Jira, Taiga, ClickUp, Trello, Slack, Microsoft Teams, GitFlow Workflow, Code Review Mentorship.

Programming Languages: Dart, Java, Kotlin

Programming Concepts: Object-Oriented Programming (OOP), Data Structures, Algorithms, SOLID Principles, Design Patterns, DRY/KISS Principles, Code Refactoring, and Scalable System Design.

Databases: SQLite, Hive, Firebase Firestore

Projects

Quick Discount | Real-Time Fintech & Loyalty Platform

- **Engineered** a high-performance, dual-interface ecosystem featuring **Real-Time Transaction Confirmation** between consumers and cashiers via **WebSockets**, ensuring instant payment validation.

- **Implemented** secure **Physical Card Scanning** and digital identification workflows, protected by **Biometric Authentication** to ensure high-integrity user access and fraud prevention.
- **Integrated** a sophisticated marketing and engagement stack, including **AppsFlyer** for attribution, **Meta Pixel** for conversion tracking, and **FCM** for targeted real-time push notifications.
- **Architected** an automated loyalty ledger and discount engine that tracks user balances and merchant redemptions with zero-latency data syncing.

App Links:

Play Store [↗](#) | App Store [↗](#)

Gazzar Apps Suite | Multi-Platform Food Delivery Ecosystem

- **Architected** a comprehensive three-tier ecosystem (Customer, Vendor, and Delivery) with a unified backend to manage the end-to-end food delivery lifecycle.
- **Integrated Paymob Payment Gateway** to facilitate secure, multi-method financial transactions, ensuring seamless checkout experiences for thousands of users.
- **Engineered Real-Time Order Tracking** using **Firestore Realtime Database** and **Google Maps SDK**, providing live GPS synchronization and instant status updates.
- **Developed Optimized Routing Logic** for the Delivery App, incorporating **Background Geolocation** and navigation support to maximize logistical efficiency.
- **Built Advanced Vendor Analytics** dashboards, allowing restaurant owners to manage dynamic menus and monitor performance metrics in real-time.

App Links:

- **Customer App:** Play Store [↗](#) | App Store [↗](#)
- **Vendor App:** Play Store [↗](#)
- **Delivery Man App:** Play Store [↗](#)

Gzarty (جزارتی) | Specialized Fresh Meat E-commerce Platform

- **Architected** a high-performance e-commerce solution using the **Flux Store** framework, customized for the fresh food market with specialized product categorization and cut-selection logic.
- **Integrated Secure Multi-Channel Payments**, facilitating a seamless checkout experience for a high volume of daily orders across Egypt.
- **Engineered Real-Time Order Lifecycle Tracking**, allowing users to monitor status from butcher preparation to final doorstep delivery.
- **Optimized App Performance** and delivery logistics to support **same-day delivery workflows**, ensuring high data integrity for time-sensitive grocery orders.
- **Implemented Advanced Promotional Engines** for exclusive discount management and personalized user offers to drive retention and sales growth.

App Links:

Play Store [↗](#) | App Store [↗](#)

Remas Land | Multi-Branch Dairy & Farm E-commerce Platform

- **Engineered** a specialized e-commerce solution for the dairy industry, supporting a **multi-branch architecture** to ensure localized product availability and efficient regional delivery across Egypt.
- **Architected** a streamlined user experience for high-frequency grocery shopping, featuring complex SKU management for perishable farm products (milk, ghee, cheeses).
- **Integrated Secure Payment Gateways** and a custom promotional engine to manage branch-specific offers and loyalty discounts.
- **Optimized Real-Time Order Management** to handle time-sensitive farm-to-table logistics, ensuring data synchronization between branch inventories and the central mobile interface.

App Links:

Play Store [↗](#) | App Store [↗](#)

Elbrahime Food & Merchant Suite | Native Android Ecosystem

- **Engineered** a dual-app native ecosystem using **Java/Kotlin** to bridge the gap between wholesale food suppliers and retail merchants.
- **Developed "Elbrahime Food" (Consumer):** A high-performance e-commerce platform featuring complex **bundled discount logic** and a custom-built checkout flow for bulk grocery procurement.
- **Developed "MB1" (Merchant):** A robust B2B management tool providing retailers with **Rapid Inventory Cataloging** and automated order lifecycle management.

- **Optimized Native Performance:** Leveraged native Android APIs to ensure deep system integration, superior memory management, and high-speed data synchronization for large product catalogs.
- **Implemented Real-Time Merchant Analytics:** Empowering store owners to customize profiles and track sales performance with live data updates.

App Links:

- **Customer App:** [Play Store](#)
- **Merchant App:** [Play Store](#)

EmiratesEv | EV Infrastructure & Social Automotive Platform

- **Engineered** a specialized high-utility locator for the UAE electric vehicle market, integrating **Google Maps SDK** for real-time geolocation and precise hardware mapping.
- **Architected** a community-driven social ecosystem featuring "Motors Reviews" and a crowdsourced data pipeline for user-contributed charging stations.
- **Developed** a secure **Admin Approval Workflow** to validate user-submitted data, ensuring high data integrity and reliability for critical infrastructure information.
- **Implemented** advanced filtering logic allowing users to find chargers based on specific hardware specifications and connector types.
- **Optimized** the cross-platform experience using **Flutter**, ensuring a high-performance, consistent UI for users across the UAE on both iOS and Android.

App Links:

[Play Store](#) | [App Store](#)

Elraed Elaraby | Enterprise Multi-Role Rewards Ecosystem (In Development)

- **Architecting a complex four-tier user ecosystem** (Seller, Technician, Shop Owner, and Zone Manager) within a single codebase, utilizing sophisticated **Role-Based Access Control (RBAC)**.
- **Engineering a real-time product authentication system** where Sellers and Technicians scan inventory to earn and redeem rewards, integrated with **QR Code and Deep Link** referral logic.
- **Developing a Geo-Spatial Store Locator** using **Google Maps SDK** and custom bottom-sheet interactions, allowing users to discover and contact regional merchants instantly.
- **Building an Admin Decision Engine** for Zone Managers to moderate the platform by accepting or rejecting membership and reward redemption requests in real-time.
- **Implementing Secure Profile Management** with dynamic data visibility, ensuring Shop Owners can monitor their sub-users' performance and inventory history without compromising system integrity.

Moshaf El Tajweed | Specialized Islamic Utility App (In Development)

- **Engineering** a high-precision, location-aware Athan alert engine and a **GPS-based Qibla finder** utilizing device sensors for accurate orientation localized for the Kuwaiti market.
- **Architecting** a high-performance digital Quran reader featuring **dynamic color-coded Tajweed rules**, using specialized rendering logic to ensure visual cues assist recitation accuracy.
- **Implementing** complex background scheduling and notification services to maintain real-time prayer timing accuracy with minimal battery consumption.

Ispeaker | EdTech & Certification Platform (In Development)

- **Architecting** a robust online learning platform designed to deliver high-quality video courses and automated **digital certification** workflows.
- **Developing** a modular, responsive UI and scalable **RESTful API integrations** to handle large-scale media streaming and user progress tracking.
- **Engineering** a secure authentication and enrollment system, focusing on a seamless user journey from course discovery to professional certification.

Education

Bachelor's Degree in Computer Science & Technology
Modern Academy

2018 – 2022

GPA: 3.5/4.0

Graduation Project: Medica Zone, a specialized healthcare E-commerce platform for medical supplies in Egypt.
Degree: Excellent (Grade A+)

Languages

Arabic — Native/Bilingual

English — Proficient