

# MOHAMED ALMAHDY

## Mobile Applications Developer

@ engmohamedalmahdy@gmail.com

+201096475710

Nasr City, Cairo

LightFeather42

in https://www.linkedin.com/in/eng-mohamed-almahdy

https://github.com/eng-mohamedalmahdy

## PROFILE

**Mobile Apps Engineer with 5 years of experience in Kotlin, Java, and Swift. Successfully created 10+ Apps in Android, iOS, and KMP, improving app stability by 40% and performance by 30%. Enhanced engagement by 25% and reduced API response time by 50%. Skilled in product thinking, identifying critical business opportunities and enhancing product strategy.**

## EXPERIENCE

### Mobile Application Developer | Tawuniya

11/2024 - Now | Riyadah, KSA (Remote)

- Developing the **Tawuniya Drive App**, a mobility and insurance companion app enhancing driving safety through telematics and real-time user engagement features.
- Architected and implemented key features using **Jetpack Compose**, **Hilt DI**, and **Clean Architecture** principles.
- Collaborated on the **Tawuniya Drive SDK**, a Kotlin Multiplatform (KMP) SDK encapsulating domain & data layers to ensure consistency, scalability, and developer productivity across shared modules.
- Configured **CI/CD pipelines** using Codemagic for automated builds, testing, and deployment workflows.

### Mobile Application Developer | The Kupe Consultancy

03/2024 - 11/2024 | Remote

- Fully developed and delivered 2 production apps from concept to Play Store release using **Kotlin Multiplatform**:
  - Ion Community App** - Residential compound community platform with event management and project showcase features, leveraging **MVI architecture** and **Compose Multiplatform**.
  - Ures** - Real estate CRM companion app enabling sales agents to manage leads, properties, and client interactions efficiently on mobile, with offline-first architecture.
- Implemented modern Android development practices including **Jetpack Compose**, **Ktor Client**, and **Clean Architecture**.

### Mid-Level Android Developer | DTag

07/2022 - 03/2024 | Cairo, Egypt

- Contributed to 2 mobile apps:
  - Whizzy** (iOS) Mobile app designed to simplify the process of renting vehicles for short rides.
  - Samoolah** (Android) Services provider app with dual distributions: customer-facing app and technician/driver app.

### Junior Software/Android Developer | Virtual Worker Now & ElMnassa Innovation

07/2021 - 07/2022 | Cairo, Egypt

- Contributed to multiple mobile apps including **Pet Matrices** (iOS) and the **VirtualCoursesNow** website.

## LANGUAGES

Kotlin Java Swift

## FRAMEWORKS

Android Kotlin Multiplatform iOS

## ANDROID TOOLS

Compose Coroutines Retrofit

Koin & Hilt WorkManager Room

## IOS TOOLS

SwiftUI UIKit Core Data Combine

## EDUCATION

B.S. in Computer Engineering | Al-Azhar University

2017-2021 |

- Graduation Project: **Zakerly** ( E-learning Mobile App ) Grade : Excellent

## SKILLS & EXPERTISE

- Software Architecture: Expert in MVVM, Clean Architecture, & SOLID.
- Async Programming: Coroutines, GCD, and Rx for concurrency.
- Design Patterns: Applying proven patterns for scalable Apps.
- Cross-Platform Development: Expert in Kotlin Multiplatform.
- Networking & API Design: REST, WebSockets, GraphQL, and caching.
- Database & Persistence: Room, Core Data, and advanced caching.
- Dependency Injection: Expertise in Dagger Hilt, Koin & DI concepts
- Testing & CI/CD: Unit tests, UI tests, and automated pipelines.

## PROJECTS

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### Android Projects

#### Tawuniya Drive| ➡️ 🚗

- A mobility and insurance companion app designed to enhance driving safety and user experience.
  - **Tech Stack:** Jetpack Compose, Hilt, Coroutines, KotlinX Serialization, Retrofit
  - **CI/CD:** Configured automated build and deployment pipelines using Codemagic
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#### Samoolah| 🔒 🚗

- Services provider app with dual distributions: customer-facing app for booking services and technician app for service fulfillment.
  - **Tech Stack:** MVVM, Modularization, Jetpack Compose, Retrofit, Navigation Component, Kotlin Coroutines & Flows
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#### Grainoz| 🌾 🍞

- Pet needs delivery e-commerce platform serving multiple user roles with feature-based modular architecture and Clean Architecture principles.
  - **Tech Stack:** Jetpack Compose, MVVM, Koin DI, Ktor Client, Kotlin Multiplatform modules, Arrow-kt, Paging 3, Coil 3
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### iOS Projects

#### Whizzy| 🍎

- Vehicle rental mobile app designed to simplify the process of renting vehicles for short rides with seamless booking experience.
  - **Tech Stack:** SwiftUI, MVVM, Alamofire, Kingfisher, Combine & GCD
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#### Pet Matrices | 🔒 🍎

- Pet lifestyle application for tracking pet activities, calorie intake, health conditions, and receiving expert veterinary advice.
  - **Tech Stack:** SwiftUI, MVVM, REST API, Swift GCD
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### Kotlin Multiplatform Projects

#### HappyTail| ↵ 💬

- Veterinary clinic and pet care platform with dual applications: customer app for booking services and shopping, plus driver app for service delivery.
  - Built with Kotlin Multiplatform (KMP) for seamless cross-platform development across Android & iOS.
  - **Tech Stack:** MVVM, Compose Multiplatform, Koin DI, Ktor, Navigation Compose, KotlinX Serialization, Coil 3, Moyasar Payment SDK, MapLibre Maps, Moko Resources
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#### Ion Community| ↵

- Residential compound community app showcasing developer projects, events, and compound amenities for residents.
  - Built with Kotlin Multiplatform (KMP) for seamless cross-platform development across Android & iOS.
  - **Tech Stack:** MVI, Compose Multiplatform, Ktor, Voyager Navigation, KotlinX Serialization, KAMEL
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#### Ures| ↵

- Real estate CRM companion app designed to help sales agents and brokers manage leads, properties, and client interactions efficiently.
  - Built with Kotlin Multiplatform (KMP) for seamless cross-platform development across Android & iOS.
  - **Tech Stack:** MVI, Compose Multiplatform, Ktor, KotlinX Serialization, Coil
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More Projects at my GitHub [🔗](#)