MOHAMED ALMAHDY

Mobile Applications Developer

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PROFILE

Mobile Apps Engineer with *4+ years* of hands-on experience in Kotlin, Java, and Swift. Successfully developed and delivered *10+ mobile apps* across Android, iOS, and Kotlin Multiplatform (KMP) in more than *5 different sizes Companies*. Possess solid knowledge in digital marketing, enhancing my versatility.

EXPERIENCE

Android Developer | **Tawuniya**   📅 11/2024 – Now

- Developing the **Tawuniya Drive App** to enhance user experience for Cars services.

Mobile Application Developer | **The Kupe Consultancy**   📅 03/2024 – 11/2024

- Developed the **Ion Community App**, a residential compound community app showcasing developer projects.

Mid-Level Android Developer | **DTag**   📅 07/2022 – 03/2024

- Contributed to 3 mobile apps:
  - Whizzy (iOS).
  - Samoolah for User & Agent (Android).

Software Instructor   📅 2022 – Now

Delivered mobile development courses on **Light Feather's YouTube Channel**, and provided Android programming training for the **Ministry of Communication**, Conducted Android Development Bootcamps at **Kayfa Applied Schools**.

Junior Software Developer | **Virtual Worker Now**   📅 01/2022 – 07/2022

- Contributed to 2 websites and 2 mobile apps including Pet Materices.

Junior Android Developer | **ElMnassa Innovation**   📅 07/2021 – 01/2022

- Participated in the development of 2 mobile apps.

PROGRAMMING LANGUAGES

Kotlin   Java   Swift

FRAMEWORKS

Android   Kotlin Multiplatform   iOS

ANDROID TOOLS

Compose   Coroutines   Retrofit   Koin

Rx Java & Kotlin   Image Loaders   Room

Realm   Hilt   MocKK

IOS TOOLS

UIkit   Storyboard   Auto layout   Swift UI

GCD   RX Swift & Cocoa   Core Data

Alamofire   Kingfisher

EDUCATION

B.S Computer Engineering | **Al-Azhar University.**   📅 2017 – 2021

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

SKILLS

- Strong grasp of **OOP**, **data structures**, and **algorithms**.
- Skilled in using **architecture & design patterns** & **Principles**.
- Solid understanding of **HTTP Requests** and **RESTful APIs**.
- Skilled in **multithreading**, & libraries like **Coroutines** & **GCD**.
- Experience in other programming paradigms such as **Fp** & **Rx**.
- Expertise in version control systems such as **Git** and **GitHub**.
- Proficient in Gradle **buildSrc & Plugins** and **catalog versions**.

RECENT BOOKS READINGS

- 📖 Clean Mobile Arch.
- 📖 Clean Arch.
- 📖 Algorithms Unplugged
- 📖 Head First OOA/D
- 📖 Gradle for Android
- 📖 My book list: **HERE**

PROJECTS

Android Projects

Samoolah| 🔒 🤖

- **Services Provider** App With 2 Distributions 1 For the Client 1 For the Technician
- **Used Technologies** : MVVM with **Modularization** - **Compose** - Rest APIs with Retrofit - Navigation Component - Kotlin Coroutines with Flows

Islami 180| ▷ 🤖

- Islamic application contains: Quran + Quran Tafseer - Prayer Azan - Qibla Finder - Azkar - Hijri Calendar - Tasbeeh
- **Used Technologies: MVVM - Room database (for Quarn data storage) - Retrofit (for prayer azan API requests) - Android navigation component - Json to Gson serialization - Work Manager - Notifications Manager - Alarm Manager Senesor Manager And more**

Zakerly| 🐙 🤖

- Zakerly is an app used to connect students with teachers to learn online as an E-learning service And helps them attending online sessions individuals or groups
- **Used Technologies: MVVM Firebase Kit (real time database & cloud messaging) Realm database (for data storage) Retrofit (for FCM API requests) Android navigation component Json to Gson serialization Jitsi meet sdk**

iOS Projects

Whizzy|

- **Description**: Whizzy is a revolutionary mobile application designed to simplify the process of renting electric cars for short rides. With its user-friendly interface and advanced features, Whizzy aims to provide a modern and convenient solution for urban commuters looking for eco-friendly transportation options.
- **Used Technologies**: MVVM architecture with Swift UI, Alamofire for networking, Kingfisher for image loading, Combine GCD for asynchronous programming.

Pet Matrices | 🔒

- Pet Matrices is a lifestyle application for your pets where you can record and track your pets activities and given calories, you also can record and track their health condition and get some nice advice from an expert
- **Used Technologies** : **SwiftUI, REST API, MVVM archticture pattern, Swift GCD**

Memorise| 🐙

- Memorising game created with swift and Swift UI.
  A project for Stanford CS193p course at : https://cs193p.sites.stanford.edu/

Kotlin Multiplatform Projects

Masarify|

- **Innovative expenses tracker App**
- leveraging Kotlin Multiplatform (KMP) for seamless development across multiple platforms. Demonstrated proficiency in KMP, delivering a feature-rich application with multi-account support, dynamic categories, and multi-currency.
- **Used Technologies: MVVM -CMP- SQLDelight - KTor - Voyager Router - KotlinX Serialization - KAMEL**

Ion|

- **Residential compound community app** that also shows the developer other compounds and projects.
- Online-based, leveraging Kotlin Multiplatform (KMP) for seamless development across multiple platforms.
- **Used Technologies: MVI - CMP - KTor - Voyager - KotlinX Serialization - KAMEL**

More Projects at my GitHub 🐙