

MOHAMED ALMAHDY

Mobile Applications Developer

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PROFILE

Mobile Apps Engineer with 3+ 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 4 companies. Possess solid knowledge in digital marketing, enhancing overall versatility.

EXPERIENCE

Mid Level Android developer | **DTag**

04/2023 – Now

- Created & Contributed at 3 Mobile Apps:
 - Whizzy.
 - Samoolah For User & Agent.

Software Instructor | **2022 - NOW**

- Live & Recorded Software development courses
- Programming for beginners
- Android Development & Xamarin Bootcamp

Light Feather YouTube Channel

Ministry of communication

Kayfa Applied Schools

JR. Software developer | **Virtual Worker Now**

12/2021 – 5/2022

- 2 Websites contributions & 2 Mobile Apps contributions
 - Pet Materices

JR. Android developer | **ElMnassa Innovation**

6/2020 – 12/2020

- 2 Mobile Apps contributions

PROGRAMMING LANGUAGES

Kotlin Java Swift

FRAMEWORKS

Android Kotlin Multiplatform iOS

ANDROID TOOLS

Compose Coroutines Retrofit

Rx Java & Kotlin Image Loaders

Koin Room Realm Hilt MockK

IOS TOOLS

UIKit Storyboard Auto layout

Swift UI GCD RX Swift & Cocoa

Core Data Alamofire Kingfisher

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**.
- Proficient in applying **Dependency Injection** principle.
- 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.

EDUCATION

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

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

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 Quran 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 architecture 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 
