

MOHAMED ALMAHDY

Mobile Applications Developer

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PROFILE

Mid-level Mobile Apps Engineer with 2+ years of hands-on experience, adept in Kotlin, Java & Swift. Created & Contributed at 10+ mobile Apps. My primary are in Native Android, iOS and Kotlin Multiplatform frameworks. Possess a solid foundation in digital marketing, adding versatility to my tech expertise.

SKILLS

- Strong grasp of **Object-Oriented Programming (OOP)** principles, **data structures**, and **algorithms**.
- Proficient in **applying** and **using** common **design patterns**, **SOLID principles**, and best practices.
- Solid understanding of **HTTP Requests** and working with **RESTful APIs**.
- Expertise in version control systems such as **Git** and **GitHub**.
- Proficient in implementing clean architecture patterns such as **MV(C, VM)** and **modularization**.
- Skilled in **multithreading**, using built-in and external libraries like **Kotlin Coroutines** and **Swift GCD**.
- Good knowledge of other programming paradigms such as **Functional** and **Reactive Programming**.
- Proficient in applying **Dependency Injection** principles.
- Experienced in creating and executing thorough **unit testing** procedures.

PROGRAMMING LANGUAGES

Kotlin Java Swift

FRAMEWORKS

Native Android Kotlin Multiplatform

Native iOS

ANDROID TOOLS

Kotlin Compose Coroutines Retrofit

Rx Java & Kotlin Image Loaders

Koin Room Realm Dagger hilt

JUnit MockK Mockito

IOS TOOLS

UIKit Storyboard Auto layout

Swift UI GCD RX Swift & Cocoa

Core Data Alamofire Kingfisher

EXPERIENCE

Mid Level Android developer | DTag

04/2023 – Now

- Created & Contributed at 3 Mobile Apps

JR. Software developer | Virtual Worker Now

12/2021 – 5/2022

- 3 Websites contributions
- 2 Mobile Apps contributions

JR. Android developer | ElMnassa Innovation

6/2020 – 12/2020

- 2 Mobile Apps contributions

EDUCATION

B.S Computer Engineering | Al-Azhar University.

2017 – 2021

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

RECENT COURSES

Apple iOS using SwiftUI | Stanford

Android Development | Udacity

5.95J Teaching Course | MIT

RECENT BOOKS READINGS

Clean Mobile Architecture

Clean Architecture

Algorithms Unplugged

Head First OOA/D

All My readings book list: [HERE](#)

PERSONAL 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 & Gson Serialization - 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 persistence) - Retrofit (for prayer azan API requests) - Android navigation component - Json to Gson serialization - Work Manager - Notifications Manager - Alarm Manager - Sensor Manager And more

Violet |

- Violet is a secret notes app where your notes can be accessed view the title of the note or 2FA method Your notes will also be stored in encrypted database so no one but you can see your notes
- **Used Technologies:** MVVM - Live data - Dagger hilt - Room database (for Notes data persistence) - Kotlin kotlin coroutines - Encrypted shared preferences - Android navigation component - Json to Gson serialization - Android Guide view - Android lottie library - Android localization library - Android SDP library

Friends Keep |

- Friends Keep is an app where you add your favorite friends and every thing you need to remember about them and it will notify you with important dates like birth date
- **Used Technologies :** MVVM - Kotlin coroutines - Koin - Work manager - Notification manager - Room for data persistence - Stored the images as compressed Base64 string - Google ads SDK - Live data - Navigation component - Lottie animations Circular image view

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

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 persistence) Retrofit (for FCM API requests) Android navigation component Json to Gson serialization Jitsi meet sdk

MusicHub |

- Music Player application with YouTube download
- Technologies uses: **MVVM** - Live data - Dagger hilt - SQLite - coroutines - Kotlin Compose - Flows - Foreground services - Custom notifications

GigaMan |

- A platformer game based on the mega man game built using libgdx
- **Used Technologies:** Libgdx

Memorise |

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

More Projects at my GitHub 
