

# 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.*

## 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 | EIMnassa Innovation

6/2020 - 12/2020

- 2 Mobile Apps contributions

## 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

## SKILLS

- Strong grasp of OOP , data structures, and algorithms.
- Good understanding of design patterns & SOLID principles.
- Solid understanding of HTTP Requests and RESTful APIs.
- Expertise in version control systems such as Git and GitHub.
- Proficient in applying architecture patterns such as MVVM.
- Skilled in multithreading, & libraries like Coroutines & GCD.
- Experience in other programming paradigms such as Fp & Rx.
- Proficient in applying Dependency Injection principle.
- Experienced in creating and executing thorough Unit testing.

## EDUCATION

B.S Computer Engineering | Al-Azhar University.

2017 - 2021

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

## RECENT COURSES

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

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### 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

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### 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 functionality.
- **Used Technologies:** MVVM - SQLDelight - KTor - Decompose Router - KotlinX Serialization - KAMEL

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### Islami 180 |

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

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### 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 - Dagget 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

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### 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

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### 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

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### MusicHub |

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

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### GigaMan |

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

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### Memorise |

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

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More Projects at my GitHub 

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