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   HTML & CSS

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   UserDefaults   Alamofire
Kingfisher

EXPERIENCE

Mid Level Android developer | **DTag**
📅 04/2023 – Now

- Created & Contributed in 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

- GP: **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 Architecture
📖 Algorithms Unplugged
📖 Head First OOP
📖 Grokking Algorithms
📖 **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 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

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

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 - Lotti 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 archticture 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 Swift UI.
  A project for Stanford CS193p course at : https://cs193p.sites.stanford.edu/

More Projects at my GitHub 🜙