

# Mohamed Alaaeldin *Android Software Engineer 3*

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📍 Giza, Hadayek Al Ahram

🛡 Completed Military Service

🌐 LinkedIn

🐙 GitHub

## Profile

**Highly skilled Android Software Engineer** with 4 years of experience delivering robust and scalable mobile applications. Proficient in **Kotlin and Java**, I specialize in building **backward-compatible Android solutions**, leveraging **dependency injection, CI/CD pipelines, RESTful APIs, Firebase, Pusher, Google Maps, Coroutines, and Android Jetpack**. I also have worked with KMP projects.

## Professional Experience

### Android Software Engineer 3

04/2024 – Present | Cairo, Egypt

SSC (Banque Misr) ✎

- Working on the **Core Squad** which develops the Core Library of the **BM Online** ✎ Application, And Also develops DFI (Digital Financial Identity) wrapper library.
- Developed highly customizable UI Components using Compose which doesn't exist in the native android compose library to accurately match the Figma design system needs.
- Created **KSP** Library to auto generate code by developing a processor that re-acts on any @Composable Annotation.
- Managed the Android stack of the squad as the senior by delivering them the tasks they need to tackle, Along with supporting other squads requirements for bug fixes and/or feature requests.
- Converted the android core library that the squad emits to the other squads to become Kotlin Multiplatform Library to keep serving android consumers along with **KMP** consumers as well in case existing components are needed by other Projects.

### Android Developer

01/2022 – 04/2024 | Cairo, Egypt

Grand ✎

- Changed old code by almost 95% and improved it for an existing app called Souqmoon. (Published on [Huawei AppGallery](#) & Google Play) This led to the customer being happy and recontracting again after complaining and almost canceling the contract.
- Created in that same App Stories like in tiktok, Along with Explore Section like in instagram, All of that inside the e-commerce app Souqmoon.
- Created a Customized Statistics view from scratch to match every case and every minor detail in the XD design of the App Also in Souqmoon App.
- Developed a **Complex map view** using clustering to show Ads & stores in it.
- Used Multi modules Solution in a project called Hassan to publish 2 Apps (**Service Provider** ✎ / **Consumer** ✎ Apps), so I used 3 modules 1st the core library module to share common resources and classes, 2nd the user application module used to represent the 1st App (Provider) and finally 3rd module used to represent the 2nd App (Consumer).
- For Hassan App, I used Pusher for real-time changes to reflect in the UI popups showing the request of a new order from consumer App to the Provider one.
- Created a complex Algorithm in an App called **Sportive** ✎ (Playground booking App) to select dates & timing with the ability to exclude specific dates & timings as well (Custom Calender).
- Created an **Islamic App** ✎ for Praying Times Using Alarm Manager, Along with maintining PDF Pages to show Azkar given to the app dynamically from the Backend.

## Android Developer ( Mentor )

03/2019 – 09/2019 | Remote

Udacity [↗](#)

- Worked as a Mentor to Helps Students to graduate and earn the certification of the Nanodegree.
- Kept abreast of the latest developments in Android development to provide up-to-date guidance and share industry best practices with mentees.
- Mentors students when they are stuck by explaining the topic to make them be able to understand it, And figure out the solution.

## Education

### Bachelor of Engineering

2014 – 2020 | Helwan, Egypt

University of Helwan [↗](#)

### Android Developer Nanodegree Program

2018 – 2019 | Remote

Udacity [↗](#)

## Skills

### Programming Languages

● ● ● ● ●

- Kotlin
- Java

### KMP (Kotlin Multiplatform)

● ● ● ● ●

- Ktor
- Koin
- Coil3
- Kotlinx Serialization
- Comppottie

### Tools & Technologies:

● ● ● ● ●

- IDEs ➡ Android Studio & IntelliJ IDEA
- Version Control ➡ Git, GitHub, Azure, Bitbucket
- CI/CD ➡ GitHub Actions & Azure Pipelines
- Build Systems ➡ Gradle
- Dependency Management ➡ Gradle KTS
- Backend/Cloud ➡ Firebase, Pusher
- Collaboration ➡ Jira, Confluence, Figma
- Networking ➡ Postman

### Android Development

● ● ● ● ●

- Android SDK
- Jetpack Compose
- Jetpack Hilt
- Jetpack Work Manager
- Alarm Manager
- Retrofit
- Jetpack Navigation
- Jetpack Room
- Lottie

### Other

● ● ● ● ●

- Problem Solving
- Code Review
- Mentorship
- KSP
- Agile Methodologies (Scrum, Kanban)
- Communication
- Technical Documentation
- OS (MacOS, Windows)

## Languages

Arabic

● ● ● ● ●

English

● ● ● ● ●

## Certificates

- Android Developer Nanodegree [↗](#)
- Master CI/CD for Android Developers [↗](#)

## Publications

### Estimation & Tarneeb Calculator ( Android App ) [↗](#)

Published on Google Play Console

### MA Common Utils ( Android Library ) [↗](#)

Published on GitHub