Ahmed Elsawy

Android Developer

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Summary

Google Certified Associate Android Developer able to write clean code, have made various Android development projects in Java and Kotlin by applying my knowledge of OOP, Design Pattern, MVC, MVP and MVVM principles, and published two applications on the Play Store, and got some programming problem-solving skills through attending a three-month Competitive-Programming-based training under the auspices of the PST Company.

Education

Faculty of Electronic Engineering, Menoufia University   *Menoufia, Egypt*
COMPUTER SCIENCE AND ENGINEERING DEPT   *2015 - 2020*
Grade: Good

Certificates

- Associate Android Developer – Google Developers

Main Projects

Smart and IOT-Based Locker (SIL)   *[graduation project]*

- Java, Android SDK, Firebase Authentication and Firebase Realtime Database
- It's an android app was written by java, we use the app to open the lock by Firebase Realtime Database or GSM, and save the history of opening and closing the lock [code] [video]

News

- Kotlin, Android SDK, JSON, Retrofit, Android Architecture Components
- It's an android app was written by Kotlin, The App gets Top Articles from API by Retrofit library, and you can edit the settings to show news for your country and special category, and you can search for specific subject [code] [video]

Ask.fm Clone

- Java, Android SDK, JSON, Volley library, MySQL and php
- It's a clone of Ask.fm App, you can make an account, answer the questions, follow people, ask them questions [anonymously or by your name] and react with their answers, I used php and MySQL to REST API and used Volley library to read the data from it [code] [video]

Others in Play Store (Math Game, Forever Notes)

Technical Skills

- Java - Kotlin
- Kotlin Coroutines
- Data Binding
- design patterns
- Unit testing

- OOP Concepts
- Room Database – SQLite
- Restful API (Retrofit)
- Live Data and Flow
- Firebase

- data structures and algorithms.
- Architecture pattern (MVP and MVVM)
- Version Control (Git/GitHub)
- Dependency Injection (Hilt)
- SOLID Principles

Languages

- **Arabic:**   Native
- **English:**   Good

Personal Information

- **Date of birth:**   29 – 7 - 1997
- **Military Status:**   Completed