Mohammad Hossein Ahmadi

Android Developer

SUMMARY

Certified Android Developer offers 4 years of experience delivering complex projects on time. Implemented cleaned and optimized codes for instruments, shopping, and E-commerce products and improved operational efficiency based on SOLID principles. Seeking new challenges to utilize expertise in developing high-quality and efficient solutions for innovative projects.

EXPERIENCE

Android Developer

Pangan Electronics   Iran   3/2022 - Ongoing

A prominent knowledge-based company manufacturing measuring equipment and precision instrumentation for Iran's largest industries

- Developed a Product Management Service app utilizing **design patterns** for tracking product statuses customized according to diverse roles and responsibilities. Resulting in a 3x improvement in product management efficiency.
- Designed an app for testing and programming the company's instruments via **WIFI** and **Bluetooth**, implementing advanced methods for seamless **connection handling** and asynchronous data retrieval ,ensuring uninterrupted functionality even during disconnections, with **custom views** to enhance the user experience.
- Directed development of an advanced mobile application to remotely control company robots and drones, featuring real-time camera **streaming** for enhanced monitoring. Implemented diverse connection protocols for seamless communication. Designed an intuitive **neomorphism** user interface.
- Launched an instrument app to calculate distance accurately based on precise time measurements. Leveraged advanced algorithms and real-time data processing utilizing **Google Play Services Location API** and **Android Location Manager** to ensure high accuracy and reliability in distance calculations for company instruments
- Led the development of a multi-module application leveraging **OpenCV** and **neural networks** to detect and analyze water parameters using **image processing** techniques. Implemented sophisticated algorithms to measure and monitor water quality accurately

Android Developer

(**Faraz**   Iran   8/2021 - 9/2022 (1 yrs.)

An online e-commerce specializing in clothing with over 10k active users.

- Redesigned application by migrating to Kotlin, implementing threading ,architectural improvement and design patterns to enhance functionality. Utilized jetpack components to improve performance and security up to **70%.** Collaboration with UI/UX designers and stakeholders that enhanced performance up to **60%.**

Android Developer

Electric Utility Company   Iran   6/2020 - 8/2021 (1 yrs.)

A subsidiary of the country's electricity company for the management and distribution of electricity within the province.

- Developed an IoT application for real-time management of company devices, enabling control over parameters such as temperature status and more. Implemented seamless online and offline functionality.

CONTACT

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SKILLS

Kotlin	Java	**Android-SDK**
Clean Arch	**MVI**	MVVM
Jetpack	**Dagger-Hilt**	**Koin**
Coroutines	**Rojava**	**Coroutine-Flow**
REST API	Room	**SQLite**
Compose	XML	**Material Design**
TDD	**CI/CD**	**Firebase**

PROJECT

iScatt   Iran   2022

An advanced shooting practice app for coaches and athletes , designed to analyze and review each shot and exercise and the ability to redraw shots.

- Supports three types of connection: WIFI camera , USB camera, and exclusive company devices.
- Real-time image processing with the highest accuracy and optimal Frames Per Second (FPS) throughout.
- Developed an advanced custom player to redraw practices using data from complex entities within the **Room** database.
- Achieved optimal performance and minimized lag with threading using **Coroutines** and **Coroutines-flow.**

i-ANPR   Iran   2023

Iranian car license plate recognition mobile application.

- Utilizing **YOLOV5** and **TensorFlow Lite** for superior detection accuracy (90%), tracking vehicles based on entry and exit times. Securely storing data in a local database using **SQLite** and its wrapper **Room**.

EDUCATION

B.Sc. Electronic Engineering

Bahonar University   Kerman, Iran   2023

M.Sc. Artificial Intelligence

Azad University   Kerman, Iran   2023