Sagar Khurana

☐ (+91) 8571912979 | ✉ sagarkhurana00786@gmail.com | ⊙ hellosagar | in hellosagar

Skills

Programming   Java, Kotlin, Javascript, Dart, Git
Design   XML, Figma, HTML5, CSS, Bootstrap

Area Of Expertise

Android   MVVM Architecture, LiveData, Coroutines, Flow, Room, Retrofit/OkHttp, Volley, Hilt, AWS Datastore, Map and Geolocation, Proguard, API Integeration, Jetpack Components, JUnit,

Backend   SQL, NoSQL, Firebase(Auth, Firestore, Realtime-Database), AWS Amplify, AppSync, Cognito, DynamoDB, GraphQL, REST API, JSON, Web Services, Nodejs, Express

Computing   Data Structures, Algorithms, Graph Theory, Memoization, Recursion, Dynamic Concurrent Programming Multithreading

Tools   Docker, Jenkins, Github actions

Work Experience

Freelance Work   *Remote*

ANDROID DEVELOPER (FREELANCE)   *Mar 2019 - Dec 2020*

- **Worked part-time during studies on 65+ jobs** to help clients in modifying the existing android app written in Kotlin/Java to correct coding errors, upgrade interfaces, and improve overall performance.
- Implemented various REST API and integrate them to get the data in form of JSON from the database and posting the user input.
- Enhanced the performance of legacy android source code using cache and storing data in Room to persist data locally and migrating the source code to Kotlin, using Coroutines to avoid callback hell which increases the readability of the source code and easy to maintain.

Geedesk Technologies Inc.   *Remote*

SOFTWARE ENGINEER INTERN   *Feb 2021 - Ongoing*

- Communication with stakeholders using Figma as a prototyping tool and then making XML in android for that mockups.
- Making requests to the server using Retrofit as OkHttp library for REST API request with coroutines for synchronous coding.
- Fixed issue-related memory leak and using Model-View-View-Model Architecture to separate the logic from UI.

Hackathon and Personal Projects

AWS Amplify Hackathon on Hashnode

BUILT ANDROID APP USING AWS AMPLIFY   *Feb 2021*

- **Got runner up position in the AWS Amplify Hackathon**, made an app to manage assignments for teachers in college.
- Technologies used : Kotin, MVVM Architecture, Material Components, Jetpack libraries (Navigation, Datastore, Hilt, ViewBinding), AWS Amplify (Cognito, DyanmoDB, GraphQL, Appsync), Github actions.
- Designed and implemented the data modeling in GraphQL with directives to create the model class and build a one-many, many to many-many relation between tables.
- Used AppSync to test the GrapQL API response which ensures the response and then storing data in DynamoDB. Maintained the code quality using Github actions for Build, Lint job.

Quiz App

A QUIZ ANDROID APPLICATION BUILT USING JAVA AND SHOWING BEST PRACTICES OF ROOM   *Dec 2020*

- Made this project to explore these possibilities of Room database and used the many-many relation between two table using annotations in android.
- Designed the UI in Figma and then doing the XML part to implement it into the android.
- Used Asynctask for an asynchronous task like storing data into the local database on the background thread and used GSON for converting the JSON into Model class.

Education

JCDMC(Jan Nayak Chaudary Devi Lal Memorial College)   *Haryana, India*

B.S. IN COMPUTER APPLICATION   *May 2019 - May 2022*