Subikesh P S

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SKILLS

- Android Development
- Kotlin Multiplatform
- Clean Architecture

- Django Web Framework and REST Framework
- DBMS - SQLite, PostgreSQL, MySQL
- Git version control

WORK EXPERIENCE

ZOHO CORPORATION   **Chennai**
Android Developer   **May 2022 - Present**

Worked on Zoho CRM mobile app, which is a popular customer interactions management app with a wide user base.

1. **Kotlin Multiplatform**
   - Created and implemented the base data layer of the CRM mobile app as a Kotlin Multiplatform library with network and database service for both android, iOS and mac platforms.
   - Followed best coding practices and enforced separation of concerns and unidirectional data flow.
   - This SDK has cut down the development time by 50%, as a feature's backend only needs to be done once for both android and iOS platforms.
2. **Migration Tool**
   - Created a database migration tool which drafts SQL queries from XML schema definitions in compile time for all the platforms with common database structure.
   - The tool helped the team easily make changes and run migrations on the database and also reduced DB maintenance and testing work by 40%.
3. **Custom Filters**
   - Worked on framing SQL criteria from the filters set by the user to filter records along with android paging 3 to improve record loading speeds by 500 ms by supporting offline criteria resolution in mobile.

Project Trainee   **Aug 2021 - May 2022**

1. Worked on features and bugs on Zoho CRM android app improving user experience of over 20,000 daily active users.
2. **Ecommerce application**
   - Developed an e-commerce application while learning android by consuming **flipkart affiliate API**.
   - Implemented dependency injection using **Dagger 2**, API called with **Retrofit** and **room DB** for database.
   - Source: https://github.com/Subikesh/ECommerceApplication

PROJECTS

CODE DATABASE

Created a website to let users login and store coding problems, notes, and solution code.

- Implemented CRUD operations using **Django, Python** and designed the database with MySQL database
- Created a REST API for the app using **Django rest-framework** for authentication & CRUD operations.
- Created an **Android app** which consumes the hosted REST API for list, search and user login functionalities.
- Source code: github.com/Subikesh/Code-Database & github.com/Subikesh/CodeDatabase_android
- Demo: https://codedatabase.pythonanywhere.com/

EDUCATION

EASWARI ENGINEERING COLLEGE   **Chennai**
Bachelor of Engineering, Computer Science and Engineering   **2018 - 2022**

- 8.86 CGPA, First class with distinction

KENDRIYA VIDYALAYA, NAGERCOIL   **Nagercoil**
Higher Secondary Education   **2016 - 2018**

- Completed HSC with 94.4% score

ADDITIONAL INFORMATION

- Technical Skills: Java, Kotlin, Python, SQL, web development with HTML/CSS and Javascript and Data Structures and Algorithms