



Subikesh P S

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Skills

- **Android Development:** Kotlin Multiplatform(KMP), Kotlin Coroutines and Flows, Android Jetpack components, Material design, Room Database and SQLiteOpenHelper, Network libraries like Retrofit and Ktor.
- **Architectural Patterns:** Clean Architecture, **MVVM**, **MVI** and dependency injection using **Dagger** and **Hilt** for scalable and maintainable code.
- **Testing:** UI automation using Espresso and writing Unit testing with **JUnit** and **MockK**.
- Strong experience with **Git** for **version control** and collaborative development.
- Knowledge of **Backend development** with Django, Python and Django REST framework for RESTful APIs.

Work Experience

Zoho Corporation, Chennai

Android Developer

May 2022 - Present

- **Kotlin Multiplatform Development**
 - Developed a Kotlin Multiplatform library for Zoho CRM's shared domain and data layers with network services using **Ktor** and database management with **SQLiteOpenHelper**, ensuring seamless functionality across Android, iOS, and macOS platforms.
 - Utilized **Kotlin Coroutines and Flows** to handle thread switching efficiently and provide timely data callbacks to the UI layer.
 - Enforced separation of concerns, unidirectional data flow, and **Clean Architecture** principles to improve code maintainability, reducing development time by 40%.
- **Database Migration Tool**
 - Built a database migration tool using **Gradle**, **Kotlin**, and XML schema parsing to automate SQL DDL query generation at compile time for Android and other platforms.
 - Automated Gradle tasks, enhancing developer productivity and reducing database maintenance and testing workloads by 30%.
- **Use Case Testing Framework**
 - Created a robust framework for Use Case Testing in the domain and data layer, leveraging **JUnit parameterized testing** for data-driven testing and **MockK** for dependency mocking.
 - Reduced reliance on manual and UI tests by 70%, improving testing efficiency and faster iterations.
 - Wrote UI test cases for CRM mobile using an internal **Espresso** library wrapper.
- **Performance Optimisation**
 - Implemented **Android Paging 3** library and provided offline support for record filtering by SQL-based criteria resolution, improving record loading speeds by 500 ms.

Project Trainee

May 2021 - May 2022

- Enhanced user experience for over 15,000 daily active users by resolving bugs and building features for Zoho CRM's Android app using **Kotlin**, **MVVM** architecture, **Retrofit**, and **Dagger 2**.
- E-commerce Application: Designed an e-commerce app with dependency injection via **Dagger 2**, API services using **Retrofit**, and local storage using **Room DB**. (Source: github.com/Subikesh/ECommerceApplication)

Projects

News Buddy | An Interactive AI News Chat Application

- Utilized **Kotlin** and **Jetpack Compose** for Android UI development following **Material design** guidelines.
- Integrated [News API](#) for fetching daily articles with **Ktor** and **Room DB** on **Kotlin Multiplatform** as backend.
- Summarised day's news and Implemented chat functionality with real-time responses based on summarized news using [Vertex AI](#) with **Firebase**.
- Source: github.com/Subikesh/NewsBuddy

Education

- **Easwari Engineering College, Chennai** | 8.86 CGPA with distinction 2018 - 2022
- **Kendriya Vidyalaya, Nagercoil** | 94.4% score 2016 - 2018