DEERAJ JAGARLAMUDI
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SUMMARY

Dynamic Mobile Engineer with hands-on experience in Android development and a strong foundation in software engineering principles. Possessing more than 3 years of expertise in leveraging Kotlin, MVVM architecture, and Jetpack components to develop user-friendly applications, while achieving a 30% improvement in app performance. Proven ability to integrate APIs, optimize code quality, and enhance user experience. Eager to apply innovative technical skills and a strong collaborative mindset to develop impactful, user-focused mobile solutions

EDUCATION

Master of Science in Information Technology　　　　　　　　　　　　　**January 2023 – December 2024**
University of Texas, Dallas (GPA:3.84/4)　　　　　　　　　　　　　　　　　　　　　　　　*United States*
Courses: Advanced Data Structures, Machine Learning, Analysis of algorithms, Distributed Operating Systems

Bachelor of Technology, Computer Science and Engineering　　　　　　　**August 2017- August 2021**
Acharya Institute of Technology　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*India*
Courses: DSA, Computer Networks, Database Management System, OOPS, Software Engineering, cloud computing

TECHNICAL SKILLS

Languages & Databases: Kotlin, Java, Dart, JavaScript, SQL, SQLite, Room, Realm, MongoDB, Redi, Jetpack DataStore
Frameworks: Android SDK, Jetpack Compose, Flutter, React Native, Node.js, FastAPI, Ktor, Spring Boot, OkHttp, Retrofit, Glide, Coil, ExoPlayer, GraphQL, Express.js, Jetpack Navigation, Streams, Lifecycle, Paging, DataStore
Tools & Concepts: MVVM, MVI, Clean Architecture, Coroutines, Hilt, Dagger, Flows, WorkManager, FCM, Figma
Cloud & DevOps, Testing: Firebase (Auth, Crashlytics, Analytics), AWS, GCP, Kafka, Docker, CI/CD, Jenkins, JUnit, Espresso, GIT Robolectric, LeakCanary, Google Play Console

WORK EXPERIENCE

Android Software Development | Horizon Softech, Alpharetta, GA, USA　　　　　**August 2024- Present**
- Engineered Android application's architecture using **MVVM** and **SOLID** principals, enabling users to track real-time orders, receive instant push notifications and **paging3** with lazy loading in Recycler view while increasing daily active users by 25%.
- Facilitated to **Agile** ceremonies including **sprint planning**, stand-ups, backlog grooming and retrospectives.
- Constructed UI screens using **Jetpack Compose**, incorporating complex CardViews, toggle buttons, and grid layouts while strictly adhering to Material Design guidelines. This resulted in a 40% decrease in UI-related bugs.
- Incorporated **Retrofit2** library for API calls and used **RoomDB** for local storage and Cache along with **Crashlytics**.
- Boosted app performance by 30% by optimizing background tasks using **Kotlin Coroutines** and Lifecycle-aware components. Integrated **dependency injection** frameworks like **Hilt** (Dagger Hilt) for efficient code management.
- Leveraged **Jetpack components like View Model**, **Live Data**, and **WorkManager**, ensuring data persistence and smooth background operations. Utilized **Android Profiler** to monitor app performance and memory usage.
- Integrated **Firebase Cloud Messaging** to provide real-time order status updates, resulting in 300+ five-star reviews.
- Wrote unit tests using **JUnit** and **UI tests** with **Espresso** and **Mockk** to ensure new features are functional and stable.
- Integrated **GraphQL** APIs to streamline data fetching and reduce over-fetching in customer-facing features by 23%

Android Developer |Tech Mahindra, Bangalore, KA, India　　　　　　　　**January 2021 – December 2022**
- Piloted a travel application, managing the whole **Software Development Lifecycle**, and designing an intuitive UI.
- Integrated **Bluetooth** in a travel app for seamless connectivity with kiosks enabling, proximity-based services.
- Debugged the crashes, ANRs and bugs, reduced app crashes by 40% using **Crashlytics** insights and profiling tools.
- Worked closely with iOS and Web engineers on the team to develop foundational, cross platform solution.
- Collaborated with c**ross-functional** teams, including product managers, **UI/UX** design teams to define application features.
- Integrated **RESTful APIs** for real time search, server communication and ticketing, optimized data flow between mobile clients and backend services. Implemented Google Maps for location search with the **Google Location APIs**.
- Fortified application by with **OAuth 2.0** protocol utilizing **Android keystore** system to secure user credentials.
- Cached booking details locally using **Room**, allowing users to access flight and hotel tickets offline.
- Resolved over **100 lint** warnings through team collaboration, improving code readability on large-scale Android codebases. Enhanced the code quality by integrating Crashlytics and using **android profilers**.

Software Development Engineer | Tech Mahindra, India　　　　　　　　　　　**March 2020 – December 2020**
- Conceptualized & revamped an e-commerce Android application, core functionality and third-party APIs.
- Initiated and pioneered responsive **Android UI** with a focus on user experience across diverse screen sizes.
- Operated GitLab **CI/CD** services to test, deploy the beta version of application & identified bugs.

PROJECTS

Farmers Market | *Java, Spring Boot, Oracle Cloud (OCI), React.js, OAuth 2.0*
- Developed an e-commerce application for purchasing fruits and vegetables using Angular, NodeJS and Springboot.
- Build various REST APIs in Micro Services architecture as per need, Integrated Spring Boot Framework with JPA.

Spotify Clone | *Android Studio, XML, Room, FCM, MVVM*
- Synthesized a responsive and robust Android application using Android Studio 4.0, Cloud Firestore as Database, frameworks as Kotlin and making few REST API calls used XML for the Ui Design.
- Tailored the interface on Recycler Views of Card Views, Image Views to display all the albums and tracks.