Misbah ul Haque
Experienced Android Developer

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Summary

Innovative Android Developer with 2+ years of experience in creating user-centric mobile and Android TV applications. Proficient in Kotlin and Jetpack Compose, I excel in optimising performance and enhancing UI/UX, delivering high-quality solutions that elevate user engagement.

Key Skills

- **Languages:** Kotlin, Java
- **Frameworks & Libraries:** Jetpack Compose, Android Leanback, ExoPlayer, Kotlin Coroutines, Dagger Hilt, RxJava, LiveData, ViewModel, Paging 3, Navigation Component
- **Architectures:** MVVM, MVI, MVP, MVC, Clean Architecture, Dependency Injection
- **Databases & API Integration:** Room, SQLite, RESTful APIs, GraphQL, Retrofit
- **Performance Optimization**: **Profiling tools** (Android Studio Profiler, Memory Analyzer), **Multithreading** (Coroutines, Thread Pool, Executor), **Network Optimization**
- **Analytics & Monitoring:** Firebase Analytics, Firebase Crashlytics, Mux, Mixpanel, Sentry
- **DevOps & Tools:** Firebase, Google Play Console, GitHub Actions, CI/CD, Postman, Charles Proxy
- **Testing**: JUnit, Espresso, MockK, Robolectric, Android Instrumentation Tests
- **Platforms:** Android Mobile, Android TV, Google TV, FireStick, Jio Set-Top Box
- **Version Control**: Git, GitLab, GitHub, Bitbucket, Azure

Professional Experience

Viacom Media Pvt Ltd – JioCinema (OTT App)
Software Development Engineer - II - Android   **June 2024 – Present**

- **Optimised app startup time** reducing it by **60%** by leveraging **Content Provider** and **Android Startup Library**, improving cold start performance.
- Implemented **Contextual Continue Watching**, refactored pagination, and optimised caching mechanisms, reducing API response times by **6 seconds**.
- Optimized the **UpNext playback** feature for a smoother, more intuitive user experience, resulting in a **25% increase** in user engagement. Additionally, **upgraded analytics and impression tracking** for better performance insights.
- Addressed **live issues ,** managed **release cycles** and performance optimizations during major events like the **IPL 2024, Paris Olympics**, **ISL** and **Indian Cricket International Cups**.
- **Maintained a crash-free user rate of 99.9%** throughout high-concurrency events, with peak concurrency exceeding **50 million users** during live streams.

Viacom Media Pvt Ltd – JioCinema (OTT App)
Software Development Engineer - I - Android   **July 2022 – May 2024**

- Led the **refactoring and redesign of the Player Skin** for Android TV from scratch, achieving a **40% reduction in rendering time** for a faster, seamless playback experience.
- Built the **Login with QR Code** functionality from scratch,using MVVM architecture and designed a custom view for OTP pages.
- Played a critical role in addressing **live issues** and optimising the app's performance for high-traffic events such as **FIFA World Cup 2022**, **IPL 2023**, and **India International Cricket Series**.
- **Maintained a crash-free user rate of 99.6%** during peak traffic periods, ensuring stable app performance

Education

PES University (RR Campus)   **Aug 2018 – May 2022**

BTech in Electronics and Communication with Minors in Computer Science

Projects

Tetris Game (MVVM, Kotlin Compose)

- Developed a Tetris game using **MVVM** and **Kotlin Compose**, implementing real-time game mechanics like piece movement, collision detection, and scoring.
- Utilised **LiveData** and **Coroutines** to manage game state and ensure smooth gameplay on various Android devices.

Weather App & Custom Calculator (Compose, Retrofit)

- Created a weather app with a custom calculator using **Jetpack Compose** and **Retrofit**, integrated with the **OpenWeather API** to display real-time weather data.
- Designed a dynamic UI that changes themes based on current weather conditions, providing a responsive user experience.