

# Subhash Kumar

## Software Engineer - II (Android)

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### SUMMARY

Kotlin-first Android developer with 5+ years of experience in Jetpack Compose, Flutter, KMM, and Android SDK. Focused on performance, security, and hybrid architecture for apps serving millions of users across fintech and telecom industries.

### TECHNICAL SKILLS

**Programming Languages & Core Components:** Kotlin, Java, Dart, Kotlin Multiplatform, Android Jetpack, ViewModel

**Architectures & Reactive Components:** MVVM, MVI, MVP, Clean Architecture, LiveData, Flow, RxJava, Channel

**UI/Frontend:** Jetpack Compose, Material Design, XML Layouts, View Binding, Data Binding, Paging

**Testing & QA Tools:** Unit Testing, JUnit, Mockito, MockK, Espresso, Test-Driven Development

**Build & DevOps:** Git, CI/CD pipelines (Jenkins, GitHub, BitBucket), Gradle Build Optimization

**Networking & Libraries:** RESTful APIs, Retrofit, Ktor, Coroutines, WebSocket, WorkManager, Navigation, Hilt, Koin

**Databases Storage & Methodologies:** Room Database, SQLite, DataStore, Secure Storage, Agile/Scrum

**Performance & Security:** Memory Leaks, StrictMode, R8/ProGuard, Obfuscation, VAPT, SSL Pinning, Play Integrity API

**Other Tools & Platforms:** Firebase, Mixpanel, Clevertap, Charles Proxy, Android Profiler, FCM, Play Store Deployment

### WORK EXPERIENCE

**Software Engineer - II | BharatPe | Gurugram | December 2024 – Present**

**BharatPe:** UPI, Credit, Rewards

- Led **OAuth 2.0** migration for 1M+ active users, architecting a backward-compatible token system that achieved 95% seamless user transition while reducing session errors by 40%.
- Overhauled payment, onboarding, and authentication flows by migrating from web-based to fully native using **MVVM** architecture, reducing transaction failures by 25%, improving transaction speed, and boosting user retention by 10%.
- Implemented **Google Play Integrity** API to secure 1M+ monthly transactions, preventing unauthorized access from rooted/compromised devices and reducing fraud-related support tickets by 60%.

**Software Engineer - II | Deutsche Telekom Digital Labs | Gurugram | November 2021 – December 2024**

**T-Life** : T-Mobile (USA)

- Spearheaded T-Life app development from conception to launch, leveraging MVI architecture and Jetpack Compose to serve 500K+ T-Mobile customers with 38% higher engagement than legacy app.
- Optimized asset loading and layout inflation in the T-Life app by leveraging cold start analysis, Android Profiler, and Systrace, accelerating launch time by 22% and curtailing user drop-offs by 16%, thus enhancing user retention.
- Developed custom Detekt/Lint rules adopted across 15+ developers, accelerating code reviews by 20% and maintaining 95% code quality standards in 1M+ line codebase.

**OneApp:** Self-care app for Deutsche Telekom (Germany and 10+ More European Countries)

- Developed and launched the Magenta Moments engagement program, integrating personalized offers, interactive games, and rewards, resulting in a 35% boost in user engagement.
- Designed and optimized a seamless First-Time Setup (FTS) process within Home Gateway Management, reducing router onboarding time by 25% and enhancing overall user experience.
- Built remote diagnostic tools that enabled support teams to resolve 80% of network issues without field visits, saving €1M+ annually in operational costs while improving customer satisfaction scores by 25%.

**Software Engineer | Samsung R&D | Noida | June 2019 – November 2021**

**Samsung Clock:** Alarm, World Clock, Stopwatch, and Timer features

- Designed and shipped Bedtime Alarm feature used by 2M+ Samsung device users, achieving 30% adoption rate.
- Delivered Timer Picture-in-Picture functionality enabling seamless multitasking, while establishing a comprehensive testing framework that boosted code coverage from 45% to 89%, reducing production bugs by 35%.

### EDUCATION & AWARDS

**Bachelor of Technology in Information Technology—IIIT Allahabad | July 2015 – June 2019**

- Recognized for Excellence (Q2 2023):** Received **I'm T Count on Me** award for exceptional technical contributions and commitment to delivery excellence across multiple high-impact projects.
- Pioneered Flutter-Native Integration:** Architected hybrid **Flutter-Android solution in OneApp**, reducing development cycles by 40% and enabling cross-platform feature delivery with 60% less engineering effort.