

Subhash Kumar

Software Engineer - II (Android)

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SUMMARY

Mobile Application Developer with 5+ years of experience building high-performance Android applications using Kotlin, Jetpack Compose, Flutter, and KMM. Skilled in Android SDK, RESTful APIs, and cross-platform architecture with a focus on security, performance, and user experience for applications serving millions of users globally.

SKILLS & TOOLS

Programming Languages & Core Components: Kotlin, Java, Dart (Flutter), C++, RxJava, Android Jetpack, ViewModel
Architectures & Reactive Components: MVVM, MVI, MVP, Clean Architecture, LiveData, Flow, StateFlow, SharedFlow
UI/Frontend: Jetpack Compose, Material Design, XML Layouts, View Binding, Data Binding, Paging Library (Paging 3)
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: REST APIs, Coroutines, Retrofit, WorkManager, Navigation, Lint, Detekt
Databases Storage & Methodologies: Room Database, DataStore, Secure Storage, Agile/Scrum
Performance & Security: Memory Leak Detection (LeakCanary), StrictMode, R8/ProGuard, Obfuscation, SSL Pinning
Other Tools & Platforms: Firebase (Crashlytics, Analytics), Charles Proxy, Android Profiler, FCM, Play Store Deployment

WORK EXPERIENCE

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

BharatPe: UPI, Credit, Rewards

- Engineered a secure end-to-end migration to OAuth 2.0 using a backward-compatible token upgrade system with seamless refresh capabilities, ensuring 95%+ user transition and slashing session errors by 40%.
- Overhauled payment, onboarding, and authentication flows by migrating from web-based to fully native, reducing transaction failures by 25%, improving transaction speed, and boosting user retention by 10%.
- Fortified mobile payment security through Google Play Integrity API integration; this prevented unauthorized access from compromised devices, enhancing user trust and safeguarding 1M+ transactions.

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

T-Life : T-Mobile (USA)

- Architected and launched the T-Life app from scratch using MVI, Jetpack Compose, and Kotlin Coroutines, improving performance and user experience and boosting engagement by 38%.
- 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.
- Engineered custom Detekt and Lint rules to enforce coding standards, improving code consistency and reducing review time by 20% across a 1M+ line codebase.

OneApp: Self-care app for Deutsche Telekom (Germany)

- 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.
- Led the development of remote network diagnostic tools, enabling customer service teams to resolve 80% of technical issues remotely and significantly reducing on-site visits.

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

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

- Built the Bedtime Alarm feature, boosting adoption by 30% in the first quarter and promoting better sleep habits.
- Integrated Timer Picture-in-Picture functionality to enable seamless multitasking for users, and increased code coverage to 89% by adding unit tests, enhancing reliability and maintainability.

EDUCATION & CERTIFICATIONS

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

- I'm T Count on Me: Awarded for exceptional contributions during Q2 2023 for commitment to excellence at DTDL.
- Integration of Flutter with Native Android: Achieved [seamless integration of Flutter with native Android](#) in OneApp, resulting in a streamlined development process and significant time and resource savings.