Shubham Naik

Senior Android Engineer

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SUMMARY

Senior Android Engineer with 10+ years of experience building native Android applications in Kotlin and Java, including apps at 1B+ to 10B+ Google Play download scale. Strong in Jetpack Compose, MVVM, MVP and MVI architectures, Kotlin Coroutines and Flow, and CI/CD. Open-source contributor with 8 merged pull requests to NewPipe, including foundational work for its Jetpack Compose migration, and a merged feature in FlorisBoard. Mentors junior developers and uses AI coding assistants (Claude Code, GitHub Copilot) with disciplined architectural review. Also brings 6+ years of web development (TypeScript, React, Next.js) and 3+ years of Rust microservices on Linux.

EXPERIENCE

Senior Software Engineer | Raja Software Labs | Baner, Pune, India | 06/2018 – Present

Android: large-scale consumer apps (client names confidential)

- Design, develop and maintain native Android applications in Kotlin and Java for large clients across three products: a social networking app (1B+ Google Play downloads), an email app (10B+ downloads) and a legacy messaging app (1B+ downloads).
- Built messaging, profile and job posting features for the social networking app.
- Contributed to migrating relevant features from a discontinued chat application into the email app.
- Root-caused and fixed a lock contention between the main thread and a background thread that caused Application Not Responding (ANR) errors in the legacy chat app, reducing overall ANR reports by an estimated 2–5%.
- Applied MVVM, MVP and MVI architectures and managed concurrency with Kotlin Coroutines, RxJava/RxAndroid, ExecutorService and AsyncTask.
- Worked with Jetpack Compose and other modern Android frameworks.
- Integrated third-party APIs and worked with SQLite, Realm and MySQL databases.
- Maintained code quality through unit testing, integration testing and code reviews, using Git, Android Studio and CI/CD pipelines.
- Collaborated with cross-functional teams to define, design and ship new features; trained junior developers and contributed to team knowledge-sharing.

Engineering practices and AI-assisted development

- Work with a Docker dev-container build setup for a Rust backend project: the image builds the application at an exact commit for the target release CPU architecture, is hosted on JFrog and is pulled by GitHub Actions to produce the final binary.
- Use AI coding assistants (Claude Code, GitHub Copilot) for research-heavy investigation to increase throughput on feature work and peer reviews, followed by an architectural self-review for maintainability, testability, scalability and coding-standards compliance.
- Work on Rust microservices running as Linux services (since 09/2023), applying Tokio, multithreading and network programming.

Android/iOS Developer | Genora Infotech | Verna, Goa, India | 08/2016 – 06/2018

- Designed and developed mobile applications for Android and iOS.
- Translated UI/UX designs into efficient, reusable and scalable code.
- Implemented reactive programming with RxJava and RxSwift.
- Collaborated with the QA team to ensure application quality and fix bugs.
- Mentored and trained junior Android and iOS developers.
- Worked in an Agile environment with strict release cycles.

Android Developer Intern | LetsApp | Panaji, Goa, India | 01/2015 – 04/2015

- Built Android applications, including an Entry Register app using QR code scanning.
- Developed an XML parsing application.

OPEN SOURCE CONTRIBUTIONS

NewPipe (Android, Java/Kotlin) | 8 merged pull requests | 09/2023 – 03/2026

- Authored foundational pull requests for NewPipe's Jetpack Compose migration: introduced Jetpack Compose (#10875), redesigned the settings debug page (#10876), completed the debug screen migration to Compose (#12803), and raised the minimum SDK to API 23 for Navigation 3 (#13056).
- Added an enqueue option to the router dialog (#12821) and improved playlist share content (#10427); fixed RSS button visibility (#11067) and the Android test GitHub Actions workflow (#11014).

FlorisBoard (Android keyboard, Kotlin) | 04/2024

- Implemented emoji suggestions: an EmojiSuggestionProvider, NlpManager integration and a custom suggestion-candidate class (PR #2385, merged).

SKILLS

Languages: Kotlin, Java, Swift, Objective-C, Rust, TypeScript, JavaScript, C/C++

Android and Mobile: Android SDK, Jetpack Compose, Jetpack Navigation, Kotlin Coroutines, Kotlin Flow, RxJava, RxAndroid, RxSwift, ExecutorService, AsyncTask, MVVM, MVP, MVI, Clean Architecture, SOLID, Multi-module architecture, Dependency injection (Hilt, Dagger, Koin), Retrofit, Firebase (FCM, Crashlytics, Analytics), Gradle, Kotlin Multiplatform, Compose Multiplatform, SDK and library development, Accessibility, Mobile security, iOS development

Performance and Testing: Android Profiler, Perfetto, Baseline Profiles, Unit testing, Integration testing

Databases: SQLite, Realm, MySQL, PostgreSQL

Tools and Platforms: Git, GitHub Actions, CI/CD, Docker, JFrog, Android Studio, Linux (Arch Linux, Ubuntu, Mint), macOS, Windows

Backend and Web: Rust, Tokio, Microservices architecture, Next.js, React, TypeScript

AI-assisted development: Claude Code, GitHub Copilot, opencode, Prompt engineering, Agentic workflows, MCP, LLM-as-judge

Methodologies: Agile, Code Reviews, Mentorship

EDUCATION

B.E. Computer Engineering | Goa College of Engineering | 2012 – 2016