Rahul Pahuja
Hyderabad, India | +91-8819091000 | therahulpahuja@gmail.com
[My Website](#)| [LinkedIn](#) | [GitHub](#)

Professional Summary

Staff Mobile Engineer with 10+ years of experience building scalable, secure, and user-centric native Android and iOS apps. Proven leader in:

- Mobile strategy and architecture design
- Team mentorship and stakeholder collaboration
- Delivering impactful apps across cybersecurity, banking, IoT, and media streaming
- Technologies: Kotlin, Swift, Jetpack Compose, SwiftUI, Clean Architecture, CI/CD, and system design

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Technical Skills

Mobile Development: Expertise in Kotlin, Java, Swift, Objective-C,Android Application , iOS Application, Android SDK, iOS SDK, Jetpack Compose, SwiftUI, Flutter, and React Native.
Architectural Patterns: Proficient in MVVM, MVI, MVC, Clean Architecture, Dependency Injection (Hilt, Dagger, Koin), & Architectural Decision Records (ADRs).
Reactive Programming: Experienced with Kotlin Coroutines, Flow, Combine (Swift), and RxJava.
APIs and Protocols: Skilled in REST, GraphQL, gRPC, Retrofit, JSON, and Protobuf.
CI/CD: Competent with GitHub Actions, Jenkins, TeamCity, Bitbucket, CircleCI, and Firebase App Distribution.
Testing Frameworks: Utilizes JUnit, Espresso, XCTest, Roboelectric, Mockito, Test-Driven Development (TDD), Behavior-Driven Development (BDD), and Browserstack.
Development Tools: Proficient with Android Studio, Xcode, Firebase, Crashlytics, Sentry, App Store Connect, Play Console, CyberArk, and Conviva.
Analytics Platforms: Experienced with Firebase Analytics, Mixpanel, Conviva, and Amplitude.
Project Management: Expertise in JIRA, Confluence, Agile/Scrum methodologies, Slack, and Teams.
Security: Knowledgeable in OWASP Mobile Top 10, STRIDE threat modeling, Keystore, and TeeSDK.
Miscellaneous: Familiar with Bluetooth Low Energy (BLE), TensorFlow Lite (TF Lite), UX/UI design principles using Figma and Adobe XD, Threat Modeling, and STRIDE Analysis.

Professional Experience

Staff Software Engineer — *CyberArk, Hyderabad*
Nov 2024 – Present , App Links: [iOS](#) | [Android](#)

- Designed and implemented secure TeeSDK using Android Keystore and iOS secure enclave
- Prototyped and integrated Caching SDK and Datastore for faster data access.
- Applied STRIDE Analysis & Threat modeling techniques to enhance mobile app security
- Reduced vulnerability footprint by 40% and cold-start latency by 28%
- Engineered and deployed a security fix that eliminated biometric tampering vulnerabilities, fortifying authentication and protecting CyberArk's global user base.
- Added Support for Offline Capabilities in the App for User Sync in offline mode.
- Secured Storage Design Development and Integration with Threat Modelling: Crafted a cache layer on top of TeeSDK and DataStore as a Secured Storage to efficiently store and retrieve data and to make sure reads are faster than writes.
- Added Support for Detection of Biometric Tampering to avoid Security Issues.
- Contributed to Cosmetic Changes with Offline Feature with Secure Items Copy/View/Edit and did the automation for the Same via Python Appium and Browserstack.

- Obfuscated Mobile Application and String Encryption by the Means of DexGuard by GuardSquare since Proguard and R8 are not enough.
- Actively Being a part of the regression cycle for improvement in the application.

Technical Lead — *Coforge / Bankwest (Commonwealth Bank of Australia), Bengaluru*
Mar 2024 – Nov 2024
App Links: [iOS](#) | [Android](#)

- **Led cross-platform mobile feature development** for Digital Banking applications, delivering high-quality features on schedule and integrating .NET code coverage reporting in TeamCity using Splunk and Jenkins to enhance test visibility and build reliability.
- **Delivered travel notification UI overhaul** and implemented AUD-to-multicurrency conversion, improving user experience and supporting global transactions.
- **Championed modularization, TDD, and CI/CD practices** using TeamCity and Bitbucket, boosting development efficiency and code reliability.
- **Reduced password reset failures by 35%** and shipped three high-priority features with zero rollbacks, ensuring seamless user operations.

Senior Engineer — *Conviva, Bengaluru*
May 2022 – Sep 2023

- **Enhanced Android SDK** by integrating ExoPlayer seamlessly, ensuring broad platform compatibility.
- **Resolved CSAI/SSAI ad tracking issues**, addressing escalations and improving ad reliability.
- **Implemented accessibility features** including subtitles and closed captioning across five platforms.
- **Achieved 100% media player compatibility**, reducing client-reported issues by 45%.
- **Migrated Android sensors** to support Android 13 and 14, maintaining full device functionality.
- **Optimized Android TV customer experience**, improving usability and engagement.
- **Diagnosed and optimized memory usage** at ShareChat by redesigning threading architecture, eliminating OOM crashes and enhancing app stability.

Senior Software Engineer — *Intellicus Technologies (Kyvos), Bengaluru*
Dec 2019 – Apr 2022 , App Link: [Android](#)

- **Stabilized OLAP dashboards** by implementing dynamic filters and enhancing charts, improving data visualization and user experience.
- **Migrated codebase to Kotlin** for unit testing, boosting app reliability and maintainability.
- **Integrated Firebase services** including Crashlytics, FCM, and Firebase Distribution, streamlining monitoring and release workflows.
- **Reduced app crashes by 32%** and accelerated dashboard load times by 40%, significantly enhancing performance and user satisfaction.

Senior Software Engineer – Smart Cities BU — *Wipro, Bengaluru*
Apr 2017 – Dec 2019
App Links: [Track & Trace](#) | [Auto Insights](#)

- **Developed BLE-based proximity marketing and smart home chatbot solutions**, enhancing user engagement and automation capabilities.
- **Delivered feedback and ticketing platforms** for **ELCITA** and internal **Wipro** operations, streamlining issue tracking and resolution.
- **Optimized civic service workflows**, improving efficiency by 50% and reducing escalation volumes by 20%.

Software Engineer – Auto Insights & Shell — *Wipro, Bengaluru*
Dec 2014 – Apr 2017

- Developed Android live location sharing feature (pre-WhatsApp release)
- Automated app transition from IBM using C# scripts and SQL Server
- Reduced manual migration time by 90%