SANTHOSH J

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Professional Summary

Senior Android Developer with 8+ years of experience building enterprise-scale mobile applications for millions of users. Currently at Procore Technologies developing construction drawing features. Previously led Android development at Walmart Global Tech, architecting post-transaction experiences and e-commerce features that contributed to 30% of sitewide GMV. Led a team of 5 engineers while maintaining <1% error rates for applications serving 2M+ daily users. Expert in Kotlin, Java, MVVM architecture, and ExoPlayer with extensive experience in enterprise mobility management and consumer-facing applications. Proven track record in cross-functional collaboration, requirement analysis, and delivering scalable Android solutions across diverse domains including construction tech, e-commerce, and enterprise security.

Work Experience

Senior Software Engineer – Android
Jan 2025 – Present

Procore Technologies, Bangalore, India

- Developed a high-impact copy-paste feature for markups, enabling seamless duplication of multiple annotations across construction drawings.
- Resolved user-reported issues in the production Drawings module, improving overall reliability and user experience.
- Contributing to migration to Room Database for improved maintainability and performance of the drawings data layer.

Senior Software Engineer – Android
Oct 2022 – Dec 2024

Walmart Global Tech, Bangalore, India

- Architected and implemented critical application features, directing cross-functional teams in defining, designing, and delivering new features, ensuring seamless integration with business objectives and enhancing product functionality.
- Led a team of 5 engineers in the development and maintenance of post-transaction experience in the Walmart App, mentoring team members through comprehensive code reviews, providing technical guidance, and fostering adherence to best practices, resulting in improved code quality and developer proficiency.
- Engineered and maintained post-transaction functionalities, including InHome Delivery features and secure video playback using ExoPlayer, ensuring robust and scalable solutions.
- Developed multiple features and resolved bugs across purchase history, order details, order tracking, cancellation, tipping, and feedback flows in the Walmart US E-commerce Android app.
- Analyzed requirements, planned features across platforms, and led the team to ensure timely delivery of features, maintaining high standards of quality and performance.
- Communicated effectively with stakeholders to resolve requirements and conflicts, ensuring alignment and clarity in project objectives.
- Monitored the health of post-transaction flows and maintained system availability, utilizing tools such as Splunk and Grafana to track performance metrics and address issues proactively, maintaining the error rates below 1% for post-transaction experience.

Software Engineer III – Android
Apr 2019 – Sep 2022

Walmart Global Tech, Bangalore, India

- Developed Shop pages for Deals, Gift Finder, and Early Access Deals, incorporating curated shelves, branding opportunities for merchants and business partners, and advanced filters. These pages attracted 20% of visitors during initial events, contributing to 30% of sitewide GMV.
- Created a Vehicle Fitment widget for search, aiding customers in finding compatible vehicle parts, reducing order returns by 50% and increasing order conversions for fitting parts.
- Implemented multiple features, resolved bugs, monitored analytics, and maintained the search function in the Walmart US E-commerce App, which has more than 2 million user traffic in a day.
- Designed dashboards in Splunk and Grafana to monitor customer behavior, traffic patterns, errors, and other key metrics across search, browse, and deals pages.

Software Engineer – Android   May 2017 – Apr 2019

Bluebird Inc, Bangalore, India

- ○ Worked on BOS™ Enterprise Mobility Management Android App, purpose-built for enterprises to configure, manage, update, and secure mobile devices (Mobile device management), applications (Mobile application management), and contents (Mobile content management).
- ○ Developed APIs for BlueBird EF500, EF400 devices in Android Framework Device Policy Manager, utilized by IBM MaaS360 Solution and BOS™ Emm Solution.
- ○ BOS Provisioning App - Implemented NFC, Barcode and Sideload provisioning for BOS™ EMM.
- ○ BOS keyboard - Developed a custom Android keyboard for enterprise purposes.
- ○ Developed BOS WIFI analyzer app - which tracks the signal strength and packet loss analysis.

Android Developer   Sep 2016 – Apr 2017

ApartmentADDA, Bangalore, India

- ○ ApartmentADDA Resident app - Built emergency panic alert, Vehicle parking manager, and Visitor management system.
- ○ Developed ADDA GateKeeper - An Android App for Gate Management for Apartment Complexes, where visitors have to provide OTP for their visits.

Technical Skills

Core Android Development

- ○ Languages: Kotlin (Expert), Java (Expert), Android SDK (API 21+)
- ○ Architecture: MVVM, Clean Architecture, Multi-module, Repository Pattern
- ○ UI: Jetpack Compose, Material Design, Custom Views, XML Layouts
- ○ State Management: Flow, StateFlow, ViewModel, LiveData, Coroutines
- ○ Background Processing: WorkManager, Services, JobScheduler

Data, Networking & Security

- ○ Database: Room, SQLite, DataStore, SharedPreferences
- ○ Networking: Retrofit, OkHttp, GraphQL, REST APIs, WebSockets
- ○ Dependency Injection: Hilt, Dagger 2
- ○ Security: OAuth2, JWT, SSL Pinning, Android Keystore, Biometric Authentication
- ○ Reactive Programming: RxJava, Coroutines, Flow

Testing, Performance & DevOps

- ○ Testing: JUnit, Espresso, MockK, Robolectric, UI Testing
- ○ Performance: Memory Profiling, CPU Analysis, Battery Optimization, ANR Prevention
- ○ Build & CI/CD: Gradle, GitHub Actions, Jenkins, CI/CD Pipelines, ProGuard/R8
- ○ Monitoring: Crashlytics, Firebase Analytics, Splunk, Grafana
- ○ Code Quality: Android Lint, SonarQube, Static Analysis

Android Technical Leadership & Key Achievements

- ○ Led team of 5 Android engineers, providing technical guidance and mentorship for feature development
- ○ Delivered Android Deals pages with zero downtime during Black Friday events, contributing to 30% of sitewide GMV
- ○ Created Vehicle Fitment widget for search functionality, reducing order returns by 50% in auto parts category
- ○ Maintained error rates below 1% for post-transaction flows serving 2M+ daily users through comprehensive monitoring using Splunk and Grafana
- ○ Architected secure video playback system using ExoPlayer for InHome Delivery, ensuring robust Android multimedia solutions

Education

Bachelor of Technology (B.Tech) in Computer Science   **May 2016**

Amrita University, Kerala, India   **GPA: 7.25/10**