JANUPRASAD K

Senior Android Developer

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SUMMARY

Engineered high-performance Android applications and SDKs using Kotlin and Java, delivering a 25% increase in user engagement and a 15% reduction in crash rates over 9+ years.

Managed a cross-functional team of 5 in 2 locations (Bangalore, Jakarta), ranging from mid-level to seniors, and closely collaborated with feature development, user engagement, and crash fixes. Led the team to optimize the Cakap Android app to enhance performance and reduce build time, achieving a 4.9 Play Store rating and 1M users. Engineered and rolled out the Syllabus design system for Cakap, featuring atomic and molecular UI elements.

SKILLSET

●Kotlin   ●Java

●Jetpack Compose ●Spring Boot

●Design Systems   ●Unit Testing & UI Testing   ●CI/CD   ●Code Review

●Technical and Spike Documentation ●Jira

PROFESSIONAL EXPERIENCE

Perfectz Digital — Team Lead, Senior Android Developer at Cakap, Jakarta

Sep 2022 - PRESENT - Cakap Android App, Cakap Design System

- Spearheaded the creation of the **Cakap Design System (Syllabus)** and integrated a multi-module Material Library, resulting in a 45% improvement in design efficiency and streamlined project workflows.
- Orchestrated the **CI/CD pipeline** for the Cakap design system, embedding **unit tests and lint checks**, ensuring seamlessly styled and tested code, which enhanced development branch stability by 45%.
- Enhanced **Gradle build process** and optimized dependencies for Cakap, bringing about a 40 percent decrease in build time.
- Directed weekly sessions with the team on Jetpack Compose optimizations, resulting in a **20% reduction in development errors**.
- Facilitated over **200 code reviews annually**, promoting best practices and boosting code quality by 30%, while fostering enhanced team collaboration and communication among developers.
- Guaranteed **thorough unit testing for edge cases on all Pull Requests**, maintaining 90% feature

compatibility with existing systems, and minimizing integration challenges across the software development lifecycle.

- Directed the team in implementing **SOLID principles and design patterns** into the solution design and approved the prepared design during the in-tech grooming meetings, resulting in a **30% growth in code quality**.
- **Conceptualized the Model-View-ViewModel (MVVM)** architecture in Cakap & restructured the feature modules, resulting in code getting clear separation and accessibility to enhance and add features, leading to a 40% faster development.
- Acclimated **coroutines in online classes** and welcome modules, gaining optimal performance by a 90% boost.
- Optimized Core module performance by **converting LiveData to Mutable State**, causing a 40% decrease in loading time and a 25% increase in overall system responsiveness.
- Reduce**d boilerplate code by 40% in the online class module by integrating Dagger** for dependency injection, enhancing code maintainability and cutting developer setup time by 15 hours weekly.

Hatio Innovations PVT LTD, Kochi — Full Stack Developer (Android, React Native, Spring Boot)

Nov, 2017 - Aug, 2022 - Coinome Exchange Android App, Validus SME, EMVCo Android SDK.

- Directed the **Coinome Exchange App development**, acquiring **React Native and TypeScript proficiency**; elevated app stability, reducing crash rates by 35% and increasing user satisfaction by 28%.
- **Formulated RESTful** API for the Billdesk Payment module by gaining hands-on experience in Spring Boot and Kotlin API development.
- Led the team in building & acquiring the certification of EMVCo payment SDK using Kotlin & Room DB, resulting in **powerful knowledge in SDK structuring, JWT signing & verification, ECC keys, and RSA & execution, leading to increased secure communication by 95%.**
- Built Coinome Exchange and Wallet App in Native Android (Java + Kotlin), achieving deep knowledge in **Blockchain, Cryptocurrency, Exchange, Transaction, BIP32**, and generating crypto keys using the **ECDSA** algorithm.
- Improved **RESTful Backend APIs** on the product **Validus SME,** leading to gaining good knowledge in Java and Kotlin Spring Backend API development and DB migrations and deployment in Jenkins.

BillDesk Indiaideas P.V.T LTD, Mumbai — Android Developer

Oct, 2016 - Oct, 2017) - Billdesk Payment SDK

- Maintained **Billdesk Payment SDK** and incorporated new features, resulting in hands-on experience Managing big players like **Billdesk Inc**.
- Designed and developed the login layer in BillDesk Payment SDK, gaining experience in handling **customer authentication and prevention against security threats to user data**.
- Co-ordinated Billdesk Payment Team in integrating mobile banking apps such as **Apache Cordova, Ionic, Kony** resulting in hands-on experience with different mobile application frameworks.

MobMe Wireless, Kochi — Android Developer

Jan, 2015 - Aug, 2016 - Mobile ID, JetSetPay SDK.

- Maintained **MobileID** using Java, a robust authentication Android app built over **RSA and Shamir Secret Key Sharing**, provided solid knowledge about **Digital Signature, RSA, Signing and public-private key pairs**.
- Composed and integrated payment authentication system for IndusInd bank application with **Google Cloud Messaging**; slashed authentication errors by 30%, enhancing user satisfaction and driving a 12% increase in transaction volume.
- Streamlined JetSetPay App, resulting in gained hands-on experience with **RX Java, Retrofit, Gradle, JSON and REST API.**
- Built JetSetPay Mobile SDK using Kotlin to handle user authentication using a PIN, handling the SDK to integrate into JetSetPay App obtained knowledge in **DeepLinking**.
- Implemented a time-based OTP App for Indusind Bank Transactions, which led to acquiring solid knowledge about the generation of time-based OTPs.

EDUCATION

CUIET - Thenhipalam, Malappuram — Engineering

B.TECH, Calicut University - 65% in Information Technology.