Jay Patel

Senior Android Engineer
jaypatelbond7@gmail.com | linkedin.com/in/jaypatelbond | jaypatelbond.in

Summary

Senior Android Engineer with 7+ years of experience building and evolving production Android applications across retail, e-commerce, and loyalty domains. Experienced in Kotlin, Jetpack Compose, large-scale multi-module architectures, GraphQL integrations, and experimentation-driven product development. Contributed to customer-facing features for large retail applications, with a focus on maintainable architecture, user experience, and reliable production delivery.

Experience

Development Engineer April 13, 2026 – Present
Target (Geektrust) – Digital Loyalty Experience and Continuous Intelligence *Bangalore, India*

- Work full-time and exclusively with Target's Android engineering teams on its flagship shopping application, contributing to a large-scale codebase with 1,500+ modules.
- Contributed to the Digital Base Enrollment experience, including the CDUI migration and subsequent launches and experiments focused on increasing enrollment exposure and guest-to-member conversion.
- Implemented Android feature changes and integrated Sapphire feature flags and existing experiments to support controlled enrollment experiences.
- Delivered landscape-orientation support for Lists and Registries, addressing compatibility with newer Android releases under a tight delivery schedule.
- Contributed 50+ pull requests across Base Enrollment and Lists and Registries, with changes delivered to production.
- Worked on L2/L3 screen design updates and the revamp of multiple screens into CDUI-driven enrichment experiences, backed by Kotlin-based enrichment services.
- Currently contributing to Discretionary Journey / Continuous Intelligence experiences across Product Detail Pages (PDP) and Search Listing Pages (SLP), including Ratings and Reviews.
- Used Firefly analytics for event triggers and tagging to support product analytics instrumentation.
- Applied AI-assisted scaffolding for feature documentation and code generation, and developed reusable skills to support feature and design workflows.
- Delivered within a weekly release cadence, with release cuts scheduled every Tuesday.

Senior Engineer June 2023 – April 10, 2026
QBurst *Noida, India*

- **Grocery Outlet – Loyalty App (US Retail Chain, 450+ Stores)**
- Led Android feature development for enterprise loyalty platform serving 100K+ active users
- Engineered personalized offers using Customer Data Platform (CDP) insights, increasing engagement by 15%
- Reduced ANR errors by 80% through legacy refactoring and lifecycle optimization
- Maintained 99.9% crash-free sessions across releases
- Integrated Braze SDK for push notifications and in-app messaging, improving campaign engagement by 25%
- Mentored 2 junior engineers and drove MVVM + Clean Architecture adoption
- **You App – Multi-Category E-commerce Platform**
- Revamped Android UI across 6 commerce categories including food, fashion, and electronics
- Increased average order value by 15% through improved product discovery and UX optimization
- Implemented Firebase Deep Linking for 50K+ users
- Reduced app crashes by 30% via performance tuning and memory optimization
- Conducted full codebase review and enforced quality using SonarQube

Software Engineer II July 2021 – June 2023
IndiaNIC Infotech Limited *Ahmedabad, India*

- **Sector App – GraphQL-based E-commerce Application**
- Integrated Apollo GraphQL client with Magento backend for scalable data communication
- Designed onboarding and cart management flows, reducing checkout time by 20%
- Developed scalable MVVM-based architecture serving 10K+ users
- **Healthy Master – Featured on Shark Tank India**
- Designed and developed product search, shopping cart, and checkout flows
- Integrated Razorpay SDK for secure multi-method payments, reducing payment failures by 30%
- Improved user navigation efficiency by 25% during national traffic surge

Android Developer June 2019 – July 2021
PHP POETS IT Solutions Pvt. Ltd. *Udaipur, India*

- **Alok School App – Student Management Platform**
- Built multi-role login system (Guest, Teacher, Student) with role-based access control
- Developed interactive performance dashboards for 1,000+ active users
- Processed 10,000+ user requests within first year of launch
- Integrated Firebase Cloud Messaging, increasing daily active users by 30%
- Built and released 5+ Android applications end-to-end to Play Store

Open Source Projects

CountryPicker – Android Library 2024
Kotlin / Jetpack Compose *github.com/Jaypatelbond/CountryPicker*

- Built reusable country selection component with flags, dial codes, and search
- Designed fully in Jetpack Compose for modern Android integration

StackSense – APK Tech Stack Analyzer 2025
Kotlin / Offline-first / Compose *github.com/Jaypatelbond/StackSense*

- Developed on-device analyzer to detect tech stacks of installed APKs
- Implemented Clean Architecture with robust state management

ocpp-kotlin – EV Charging Protocol Library 2025
Kotlin / OCPP 1.6 & 2.0.1 *github.com/Jaypatelbond/ocpp-kotlin*

- Built type-safe Kotlin client library for EV charging station communication
- Abstracted protocol complexity enabling faster EV app development

Education

Indian Institute of Technology (IIT), Patna Mar 2023 – May 2025
M.Tech (Part-time), Cloud Computing *Patna, India*
Rajasthan Technical University, Kota Aug 2015 – May 2019
B.Tech, Computer Science & Engineering *Kota, India*

Technical Skills

Languages: Kotlin, Java, SQL
Android: Jetpack Compose, MVVM, MVI, Clean Architecture, Multi-module Architecture, Room, DataStore, Hilt, Coroutines, Flow, ViewModel, Navigation
Backend & APIs: GraphQL, REST, Apollo Client, Kotlin-based enrichment services
Product & Analytics: CDUI Orchestrations, Sapphire Experiments / Feature Flags, Firefly Analytics
Tools: Git, GitHub Actions, CI/CD, SonarQube, Android Studio, Gradle, Jira, AI-assisted development
Foundations: Data Structures & Algorithms, System Design, SOLID Principles

Certifications

AWS Certified Cloud Practitioner (CLF-C02) — Amazon Web Services (2025)