

Dhaval Kumar Patel

Lead Mobile Engineer (Android & Flutter), Backbase Certified Developer

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Summary

Lead Mobile Engineer with 11+ years of experience leading and contributing to enterprise Android and Flutter applications across Banking and Healthcare domains. Possesses strong expertise with Backbase digital banking platforms and experience working on large-scale enterprise mobile solutions. Expert in Kotlin, Java, Dart, Flutter, Jetpack Compose, Clean Architecture, CI/CD, and secure mobile development, with a strong focus on technical leadership, code quality, and mentoring engineers.

Technical Skills

Languages: Kotlin, Java, Dart

Mobile: Android SDK, Jetpack Compose, Flutter (Android, iOS, Web), Backbase Mobile SDK

Architecture: MVVM, Clean Architecture, Modularization, Multi-Module Architecture

Networking: Retrofit, OkHttp, GraphQL, Socket, REST APIs, JSON

Testing: JUnit, MockK, Espresso, Screenshot Testing

CI/CD: Jenkins, GitHub Actions, Fastlane

Firebase: FCM, Firestore, Analytics, Remote Config, Functions, Storage, App Distribution, Hosting

Observability & Monitoring: Crash Analysis, Performance Monitoring, Logging, Analytics-driven Debugging

Mobile Release & Store Management: Google Play Store & Apple App Store Management, Testing Tracks, Versioning, Certificates, Provisioning Profiles, In-App Purchases

Data & Storage: SQLite, Room, DataStore, SharedPreferences

Security: OWASP Top 10, Encryption, Obfuscation, RASP, Secure Coding Practices, DRM

Build & Tooling: Git, Gradle, Kotlin DSL, Version Catalogs, SonarQube, ktlint, detekt

Work Experience

Lead Consultant | Xebia IT Architects India Pvt Ltd | Jul 2025 – Present

- Working on Backbase digital banking journeys, including upgrades and enhancements.
- Optimized code and UI flows, improving performance, and reducing load times by 20–25%.
- Improved automated test coverage by approximately 20%, increasing release stability and reducing regression.
- Reduced application crash rate by approximately 30% through refactoring and monitoring.
- Collaborated with architects and cross-functional teams to deliver secure, scalable solutions.
- Participated in hiring by conducting technical interviews for Mobile Developer
- Leveraged GitHub Copilot to accelerate development tasks, reducing implementation time for routine code by approximately 20–30%.

Staff Engineer | Kernel Equity Technologies Pvt Ltd | Oct 2023 – Jul 2025

- Developed enterprise applications for Legal and Healthcare domains.
- Led system design decisions for Android and Flutter platforms, ensuring scalable architecture, maintainability, and long-term evolution.

- Worked on Healthcare applications adhering to HL7 standards, HIPAA and GDPR compliance, including secure handling of PHI.
- Defined shared components and reusable modules, reducing duplicate code across teams.
- Implemented secure mobile practices (encryption, secure APIs, kiosk), reducing security-related issues.
- Automated CI/CD workflows, reducing build and release effort by 40%, and enforced code quality and formatting via automated PR checks.
- Participated in hiring by conducting technical interviews and evaluating candidates for mobile engineering roles.
- Mentored engineers and drove end-to-end delivery ownership, ensuring high code quality and predictable releases.

Senior Android Developer | Mobiquity Softech Pvt. Ltd | Jun 2021 - Oct 2023

- Worked on Backbase-based digital banking platforms, contributing to journey customization, journey integrations, and journey upgrades.
- Ensured secure and compliant Backbase implementations by following enterprise security and platform guidelines.
- Implemented MVVM architecture and Jetpack components, improving code maintainability.
- Participated in code reviews and Agile ceremonies, improving sprint delivery predictability.

Senior Android Developer | DevDigital LLC | Nov 2017 – Jun 2021

- Delivered multiple consumer and enterprise Android applications using Java and Kotlin.
- Integrated third-party SDKs (Maps, Payments, Media, KYC), reducing development time by 25%.
- Built reusable libraries and modules, improving development efficiency by 30% across projects.
- Improved app responsiveness and offline handling, reducing user-reported issues by 20%.
- Mentored junior developers, improving overall team code quality and onboarding speed.

Senior Software Engineer | Niyanttras | Dec 2014 – Nov 2017

- Developed Android applications for IoT-based home automation systems using Java and Android SDK.
- Implemented real-time device control and offline-first data handling, improving reliability in low-network areas.
- Collaborated with hardware and backend teams to deliver end-to-end automation solutions.

Education

Bachelor of Electronics and Communication Engineering | Aug 2009 - Jun 2013

Babaria Institute of Technology, Gujarat - India