

Abhishek Singh

Senior Mobile / React Native Engineer

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Senior mobile and React Native engineer with 10 years across Android, iOS delivery, React Native, backend/API integration, product ownership, and release quality. Worked on OTTPlay via Wroculus / HT Media at 10M+ download scale, including two years as mobile team lead, while staying hands-on across React Native/native Android/iOS paths, PR review, build quality before QA, and playback reliability. Helped reduce video playback failures from 11% to 1.5% within 6 months. WittyKeys adds live Android AI product proof without diluting the core mobile engineering signal.

OTTPlay: 10M+ download mobile product across Android and iOS.	Reliability: playback failures reduced from 11% to 1.5%.
Mobile depth: React Native, native Android/iOS, ExoPlayer, AVPlayer, release quality.	Shipped products: WittyKeys live Android AI app; Infinity Pillars 25+ client projects, 5+ production systems, 2 years team lead.

TECHNICAL SKILLS

Mobile engineering: Android, Java, Kotlin, React Native, iOS delivery, ExoPlayer, AVPlayer, IMA SDK, DRM, HLS/MPEG-DASH, native modules, keyboard/overlay surfaces, permissions, Play Billing, Play Store release, app performance, crash/ANR diagnosis.

Mobile product systems: User onboarding, activation, subscription/paywall flows, quota states, engagement-event analysis, feedback loops, retention campaigns, conversion campaigns, sprint planning from usage signals.

QA / release confidence: Automated UI/functionality testing, Playwright, Espresso, UI Automator, golden regression, E2E checks, signed AAB verification, real-device regression, Crashlytics, Firebase Performance.

Full-stack / backend: TypeScript, JavaScript, React.js, Next.js, Node.js/NestJS, Python, Java, Firebase Cloud Functions, Firestore, REST APIs, auth, MongoDB, MySQL, PostgreSQL, AWS, GCP.

Applied AI: Claude API, OpenAI API, AI keyboard actions, overlay assistant workflows, human-in-loop systems, RAG patterns, vector database patterns, evaluation, LLM-as-judge, multi-agent orchestration.

EXPERIENCE

Senior Mobile Engineer / Mobile App Team Lead - OTTPlay via Wroculus / HT Media Feb 2024 - Mar 2026
Remote, India | iOS + Android | OTT aggregation product at 10M+ download scale

- Served two years as mobile team lead for OTTPlay, a 10M+ download OTT aggregation product across iOS and Android.
- Stayed hands-on with major mobile feature coding, difficult blocker fixes, mobile architecture, React Native performance, native player reliability, backend/API coordination, PR review, sprint planning, stakeholder communication, build quality before QA, and release coordination.
- Reduced video playback failure rate from 11% to 1.5% within 6 months by systematically diagnosing and fixing streaming edge cases across multiple OTT aggregator integrations.
- Optimized iOS and Android native video players for HLS/MPEG-DASH paths using AVPlayer, ExoPlayer, DRM, and IMA SDK integration patterns.
- Built custom native video controls for both platforms, replacing web-based controls to improve playback performance and responsiveness.
- Built native Android/iOS features and bridged them into React Native where the product needed platform-specific behavior.
- Delivered major performance improvements on nested listing screens by reducing excessive re-rendering and improving UI responsiveness across a wide Android device range.

- Used engagement signals, release feedback, product priorities, and stakeholder input to plan sprint work and guide product iteration.

Full-Stack Mobile Engineer - Infinity Pillars

Dec 2017 - Jan 2024

B2B software development agency | Mobile apps, web apps, backend systems | 2 years team lead

- Worked as a full-stack mobile and web engineer across client mobile apps, React Native/native Android work, web apps, backend/API integrations, dashboards, and production support.
- Served two years as team lead for an 11-12 person team, supporting code review, delivery planning, QA handoff, mentoring, stakeholder communication, and release coordination.
- Delivered 25+ client projects and launched/maintained 5+ longer-running production systems across chat, intercity cab booking, online education video streaming, employee management, laundry booking, logistics management, edtech, ERP, and on-demand services.
- Worked directly with clients and product leadership on requirements, architecture, estimates, implementation, user feedback, engagement-event analysis, and production support.

Full-Stack Native Android Developer - Steady Rabbit

Dec 2015 - Nov 2017

Full-stack native Android | Java | APIs | Play Store lifecycle

- Developed and deployed 3 production Android applications, building foundational expertise in native Android, Java, mobile UX, API integration, backend coordination, and Play Store release workflows.

SELECTED WORK

OTTPlay Case Study

10M+ download OTT aggregation product, 11% to 1.5% playback failure reduction, native player optimization, custom controls, React Native performance, and cross-platform delivery.

wittykeys.com/abhishek/case-studies/ottplay

AI-SDR

Human-reviewed AI workflow automation system with campaign setup, lead research, AI drafting/regeneration, approvals, analytics, observability, and connector safety boundaries.

wittykeys.com/abhishek/case-studies/ai-sdr

WittyKeys

Live Android AI keyboard and overlay assistant with keyboard AI, quick replies, tone changes, translation, overlay chat, subscription flow, quota behavior, and release automation.

wittykeys.com/abhishek/case-studies/wittykeys

EDUCATION & CONTINUOUS LEARNING

- Master in Arts (English).
- Bachelor in Arts (English).
- Self-directed AI engineering study across LLM architecture, RAG systems, multi-agent orchestration, AI system design, prompt engineering, structured outputs, QA automation, evaluation, and observability through current books, courses, research, and hands-on systems.