# Keshav Raj · Product Engineer

Lead engineer building white-label SaaS platforms. Spec first, then the code.

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## SELECTED PROJECTS

**Engineering lead, 6 teams** (2024 ’ now) · Lead
6 TEAMS · Planning, delivery governance, architecture direction and releases.
https://www.keshav-raj.com/work/eng-lead

**Delivery metrics that never rank people** (2026) · Product owner + architect
44% BASELINE · Mid-sprint risk digest; team metrics never rank individuals.
https://www.keshav-raj.com/work/delivery-metrics

**Sprint governance automation** (2026) · Author + operator
3 QUARTERS · Kickoff, demos, closure and release reports for 6 teams.
https://www.keshav-raj.com/work/sprint-governance

**App Tower: fleet control plane** (2026) · Product owner + tech lead + architect
10 DAYS · Builds, staged Play rollouts and crash-free monitoring for ~660 white-label apps. 2,228 specs, 0 failing.
https://www.keshav-raj.com/work/app-tower

**Self-hosted OTA updates** (2026) · Architect + sole implementer
4 DAYS · KMS-signed updates, default-on for every school; rollback reaches devices in ~2 min.
https://www.keshav-raj.com/work/ota

**Events ingest hardening** (2026) · Primary engineer
6–9.5M/DAY · Ops dashboard, dead-letter queues and a 1,944-case compatibility gate with 0 diffs.
https://www.keshav-raj.com/work/events-ingest

**Studio booking + deposits** (2026) · Sole engineer + product owner
LIVE · Transactional slot holds and idempotent payment confirmation.
https://www.keshav-raj.com/work/studio-booking

**Google Play Billing** (2026) · Implementer
STORE-READY · Store-compliant Android sales path with geo-currency paywall.
https://www.keshav-raj.com/work/play-billing

**Payment live dashboard** (2024) · Full-stack implementer
REAL-TIME · Live payments and checkout health across 5 repos.
https://www.keshav-raj.com/work/payment-dashboard

## CAREER

**2019–2020 · Engineer.** Joined a white-label learning platform and became the main builder of its new React Native + Next.js learner app.
Designed the web test player: one logic layer, a template per exam; Led the merge of mobile into the shared codebase; First admin feature: offline quiz & essay grader.

**2021–2022 · Senior engineer.** Moved from features to the layers everything else depends on.
Shared API cache for web + mobile; Mock-test questions served from the CDN; RN performance pass: cold start 8 s ’ 1 s

**2023–2025 · Senior engineer / code owner.** Became the person most code passed through, then started the next platform.
Merged 57–69% of all learner-app PRs; ~600 reviews; Client analytics pipeline at 100M records/day; Founded the next-generation learner platform (2024).

**2026 · Lead / Staff.** Platform, fleet and security work across many repos at once, increasingly delivered with AI agents.
Fleet control plane for ~660 apps; self-hosted OTA; Mobile builds 45 ’ 7 min; anti-piracy detect-then-enforce; Cadence: governed multi-agent delivery.

## SKILLS

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|---|---|
| **REACT NATIVE** | RN 0.63’0.81, Hermes, MMKV, FlashList, native modules |
| **WEB / NEXT.JS** | App Router, React 19, SSR, micro-frontends |
| **PLATFORM & CI/CD** | GCP, GKE, Cloud Build, VM runners, release consoles |
| **SECURITY & DRM** | Widevine / PlayReady / FairPlay, device-bound tokens, signing |
| **AI AGENTS** | Claude / Codex agents, verifiers, budgets, human gates |
| **DATA & ANALYTICS** | Event pipelines, StarRocks, BigQuery, durable outboxes |
| **PRODUCT & SPECS** | Specs, user stories, API contracts, metrics design |
| **LEADERSHIP** | Sprint governance, reviews, audits, roadmaps |