

KAUSTHUBH ADHIKARI

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Professional Summary

Mobile engineering leader with deep experience in SDK development, secure fintech systems, and scaling high-performing engineering teams.

Experience

Engineering Manager - UI & Native Platform, 01/2025 - Present

Constantinople - Bengaluru, Karnataka

Constantinople is a unified technology platform that powers every aspect of running a bank.

- Directly managed **7 engineers** and provided technical guidance to **7 additional frontend engineers** across squads, establishing shared best practices and a high-bar engineering culture.
- Scaled engineering org — conducted **40+ interviews** and hired **15+ engineers**, building core **India delivery capability**.
- Shipped **Apple Wallet UI & Non-UI extensions** — built **native iOS automation + Expo plugins** enabling secure card provisioning across partner banks.
- Strengthened mobile security — designed and delivered an internal **KMP-based RASP SDK** providing runtime checks across mobile products.
- Accelerated bank launches — enabled **3 banks** to go live on a shared **React Native + Next.js mono-repo**, improving feature velocity via shared logic + delivery pipelines.
- Improved incident resolution — set up **frontend on-call program**, runbook & monitoring, reducing incident resolution times by **~20%**.
- Uplifted engineering standards — implemented **CI quality gates, reusable components, and security + performance guardrails** across a multi-tenant platform.

Senior Software Engineer, 12/2023 - 01/2025

Razorpay - Bengaluru, Karnataka

- Architected and delivered **UPI Turbo SDKs & Plugins** for large-scale merchants; co-designed **SDK architecture** (DDD-inspired) and unified codebase for scalable partner rollouts.
- Owned core modules (**VPA & Contact Management**) — led design, implementation, integration, and production delivery.
- Evaluated **Kotlin Multiplatform & Compose Multiplatform** for cross-platform SDKs.
- Shipped key features in **Flutter Turbo wrapper** — **Prefetch** (auto-account linking) and **TPV** (third-party verification), improving onboarding success and integration speed.
- Co-created **Silent Authentication** with NPCI — The new onboarding mechanism which cuts UPI's device binding time from **~25s → <10s**, eliminating VMN dependency; showcased at **Global Fintech Fest**.
- Built **OTA SDK update POC** via dynamic DEX delivery to explore frictionless upgrade paths.
- Mentored engineers and enforced coding standards & delivery practices across the POD.

Engineering Manager - Mobile SDK, 11/2022 - 12/2023

CustomerGlu - Bengaluru, Karnataka

CustomerGlu is a platform that helps drive retention and reduce churn with in-app gamification.

- Scaled CustomerGlu's mobile SDKs to **75M+ DAU** across major consumer apps, enabling high-engagement gamification at scale.
- Built and led a **4-engineer mobile team**, driving execution, technical rigor, and developer-experience maturity.
- Improved **SDK stability** from **87% → 98%**, significantly increasing reliability across client deployments.
- Reduced partner integration time to **35%** through SOPs, integration playbooks, and Developer experience optimizations.
- Enhanced SDK performance and reliability — reduced load time **6s → 0.5s** via client-side proxy architecture and implemented **MQTT-based real-time channel**, improving notification delivery & sync.

- Strengthened security with **SSL pinning** and **AES-256 secure storage**, elevating overall data protection.
- Established **Mobile DevOps (Jenkins + automated tests)**, improving CI stability and release velocity.
- Drove enterprise adoption — onboarded **10+ marquee clients** incl. **Zepto, Redbus, ET Money & Third Wave**.

Lead Mobile Engineer, 01/2019 - 09/2022

DriveU - Bengaluru, Karnataka

- Drove the transition from MVP to MVVM, improving stability and delivery velocity. Mentored mobile engineers and boosted crash-free sessions to 96% using Firebase and LeakCanary. Optimized Maps APIs, reducing costs by 60%. Led gamification features and expansion into new verticals—Insurance, FASTag, Car Wash, and Car Trading—transforming DriveU into a comprehensive super app.

Cofounder , Mobile & VR Lead, 12/2016 - 12/2018

TBG Labs - Bengaluru, Karnataka

- TBG Labs is a company I co-founded with my friends. We shipped cool products with an impact. I was entrusted with the responsibility of taking care of everything Mobile. I had shipped 6+ MVPs while being associated with TBG Labs.

Android Engineer, 09/2015 - 09/2016

Yourstory Media - Bengaluru, Karnataka

- Yourstory is a leading startup related news site. Rewrote the whole app from scratch into a more stable and more mature app. Also made the UI/UX of the app Material Design compliant.

Education

Bachelor of Science (B.S.): Information Technology, 03/2012

University of Mumbai - Mumbai

Skills

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| <ul style="list-style-type: none"> • Team Management • Cross-functional collaboration • Android App Development - Java & Kotlin • Flutter • Kotlin Multiplatform • Performance improvements • Cross-platform development | <ul style="list-style-type: none"> • Technical mentorship • Performance optimization • IOS App Development (Swift, UIKit) • React Native • VR Development using Unity 3D , Daydream • Software development lifecycle |
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