

Amit Kumar Gupta

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SUMMARY

Senior **React Native Engineer** with **4.5+ years** of experience architecting scalable mobile solutions in HealthTech and InsurTech. Expertise in **BFF-driven architectures**, **A/B testing platforms**, and reducing deployment cycles. Proven track record of leading migrations, optimizing app performance, and delivering AI-powered features.

TECHNICAL SKILLS

Languages | JavaScript, TypeScript, Python, Native Module Bridging (Android/iOS)
Mobile/Frameworks | React Native, Redux, Headless JS, Stream SDK, Split.io
Architecture/Backend | BFF Pattern, GraphQL, Firebase, OpenAI, Gemini
Tools/DevOps | Git, Cursor, Bitrise, DataDog, MixPanel, Iterable, App Store Connect

PROFESSIONAL EXPERIENCE

Hinge Health

Bengaluru, India

Software Engineer 2

Feb 2025 – Present

- Engineered **Robin AI Chatbot**, a proactive pain assessment platform integrating OpenAI/Gemini, real-time streaming (SSE), and voice-to-text. Delivered 9 milestones including PT summary generation, while resolving duplicate workflows and optimizing performance via caching.
- Architected a **BFF-driven copy experimentation platform** enabling A/B testing of text without app releases, reducing deployment cycles from 3 weeks to minutes and release frequency by 80%.
- Designed a scalable **multi-layered localization architecture** supporting 6 languages with three-tier caching and intelligent platform-specific fallback (iOS/Android).
- Collaborated cross-functionally to drive architectural decisions, delivering comprehensive TechDnDs and trade-off analyses for scalability.

Software Engineer 1

Feb 2024 – Jan 2025

- Implemented critical **video calling and messaging capabilities** using Stream SDK, enabling Physical Therapists and coaches to conduct secure, real-time remote sessions with members.
- Refactored a 300+ line monolithic module into a **composable notification component system**, creating 8+ reusable components that accelerated feature development for multiple teams.
- Led the **Stream Chat SDK migration** (v7→v8), implementing backward compatibility strategies and multivariate experiment rollouts for session reminders.

Digit Insurance

Bengaluru, India

React Native Developer

01/2022 – 01/2024

- Led development of customer-facing mobile apps, focusing on buy flows and integrating **payment SDKs and marketing tools** (JusPay/AppsFlyer).
- Developed **native APIs** using bridging concepts in JavaScript for Android/iOS and implemented deep linking to enhance user navigation and engagement.
- Managed end-to-end app deployment on Apple App Store and Google Play Store, ensuring 100% compliance with platform guidelines.

Accenture

Bengaluru, India

Application Development Associate

06/2021 – 01/2022

- Automated testing processes using **Selenium in Java**, significantly reducing manual testing time.
- Conducted QA for AI Chatbots and collaborated with cross-functional teams to resolve defects.

AWARDS & RECOGNITION

Top Performer of the Year (2025) @ Hinge Health | **Top Contributor (H1 2025)** @ Hinge Health
GSD (Get Stuff Done) Award (Top 10% of Engineering) | **Tech Titan** @ Digit Insurance

EDUCATION

Bachelor of Technology in Computer Science | *Dayananda Sagar University*

2021