

Kapil Rana

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PROFESSIONAL SUMMARY

Senior Software Engineer (SDE III) and engineering manager with **7+ years** building high-scale applications using **React, Next.js, TypeScript, and Node.js** for fintech, commerce, and healthcare. Currently leads Internet Banking at Airtel Payments Bank (~1M users/day), shipping dynamic UI with **Next.js SSR** and **Prismic CMS**, and improving performance/security with **Cloudflare** caching and **Google reCAPTCHA**. Hands-on across APIs, AWS, MongoDB/SQL, production ops, and Kong API Gateway.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3/SCSS, SQL

Frontend: React.js, Next.js (SSR), Prismic CMS, Redux Toolkit, RTK Query, Material UI, Tailwind CSS, Google reCAPTCHA, Webpack, Jest, A11y, Performance

Backend: Node.js, Express, REST APIs, Socket.io, Firebase, API design & contracts

Databases: MongoDB, SQL

Cloud & Infra: AWS, Cloudflare (CDN/caching, security), Private servers, Docker, Nginx, Kong API Gateway, JWT, CORS

Observability: Kibana, Grafana, Prometheus

Mobile: React Native

Delivery: Jira, Agile/Scrum, Team Leadership, Mentorship

PROFESSIONAL EXPERIENCE

Airtel Payments Bank · Gurgaon, India

June 2025 – Present

Sr. Manager – SDE III

- Lead a team of **4 engineers** delivering Internet Banking UI for ~1 million users/day.
- Building dynamic UI with **Next.js SSR** and **Prismic CMS** for flexible, content-driven composition.
- Improved page load via **Cloudflare** edge caching/CDN; mitigated attacks with Cloudflare security and **Google reCAPTCHA**.
- Own React/TypeScript architecture, performance, accessibility; drive delivery in **Jira**; partner on API contracts.
- Production reliability: **Kibana, Grafana, Kong** (JWT, CORS); RBI-compliant customer journeys.

DotPe · Gurgaon, India

Oct 2021 – May 2025

Software Engineer II

- Led **4 engineers** shipping merchant Billing UI for thousands of merchants (invoicing, inventory, GST, analytics).
- Built F&B ordering features for **50k+ DAU**, contributing to **₹1 Cr+ daily revenue**.
- Dashboards & WhatsApp Marketing (Meta) with React, TypeScript, Redux Toolkit, RTK Query.
- Real-time chat via **Socket.io** / **Node.js**; React Native Waiter App with Firebase offline flows.

Tyroo · Gurgaon, India

July 2020 – Oct 2021

Software Engineer

- Built Hubvid Tech video template management with React, Redux, Ant Design.
- High-performance video rendering pipeline with **Node.js** and Lottie Web.

Meddo Health · Gurgaon, India

June 2019 – July 2020

Software Engineer

- Patient/partner apps with React, React Native, Material UI (video consult, chat, EMR, lab booking).
- Admin Portal and **Node.js APIs** (Google Auth, bulk upload, media optimization).

Skill & Lotto Solutions · Gurgaon, India

Sept 2018 – June 2019

Software Engineer

- Online lottery platform and back-office tooling (JavaScript, JQuery, PHP, Bootstrap).

BUSINESS & TECH IMPACT

Airtel Payments Bank

- **Business:** ~1M users/day Internet Banking; faster loads via Cloudflare caching; reduced abuse with Cloudflare security + Google reCAPTCHA; CMS-driven iteration.
- **Tech:** Next.js SSR + Prismic CMS; Cloudflare CDN/security; reCAPTCHA; React/TS architecture; Kibana/Grafana; Kong JWT/CORS.

DotPe

- **Business:** Merchant billing for thousands; 50k+ DAU F&B; **₹1 Cr+** daily revenue contribution.
- **Tech:** Led 4 engineers; React/TS dashboards; Socket.io/Node real-time; React Native Waiter App.

Tyroo

- **Business:** Faster marketing creative turnaround via template & automated video pipeline.
- **Tech:** React/Redux template system; Node.js + Lottie rendering pipeline.

Meddo Health

- **Business:** Digital health journeys (consults, chat, EMR, labs) for patients and partners.
- **Tech:** React/RN apps; Node.js APIs with auth, bulk upload, media optimization.

Skill & Lotto

- **Business:** Online lottery sales + ops back-office for physical lottery channels.
- **Tech:** JS/jQuery/PHP/Bootstrap full-stack delivery.

EDUCATION

K.R. Mangalam University · Haryana, India

2014 – 2018

B.Tech – Computer Science and Engineering