

Mangesh Kumar

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Technical Skills

Languages: TypeScript, JavaScript (ES6+), Go, C++, SQL

Frontend: React.js, React Native, Next.js (App Router), Redux Toolkit, Zustand, Tailwind CSS

Backend & APIs: Node.js, Express.js, GraphQL, REST, tRPC, WebSockets, Server-Sent Events (SSE)

Systems: Real-time streaming UIs, Event-driven architecture, AI response streaming, Optimistic updates

Mobile: React Native (iOS/Android), Performance optimization, Native Modules, Deep Linking

Tooling: Git, CI/CD, Vercel, Expo, EAS, Fastlane

Experience

StayNow

April 2025 – Present

Senior Frontend Engineer

Texas, USA (Remote)

- Lead frontend development within a team of 6–8 engineers, building AI-powered trip planning experiences serving **5K+ active users**.
- Architected **real-time AI response streaming** using WebSockets and Server-Sent Events (SSE), enabling incremental rendering, cancellation handling, and resilient state recovery.
- Designed an event-driven state architecture for streaming and booking flows (init → partial → completion → failure), improving UI reliability across payment and trip workflows.
- Improved React Native performance from **30 FPS to 58 FPS** by reducing JS thread workload, optimizing render cycles, and offloading animations to the UI thread.
- Increased Lighthouse performance score from **25 → 65** through code-splitting, render optimization, and improved asset loading strategies.
- Mentored 2 junior engineers and actively led code reviews, enforcing scalable architecture and performance best practices.
- **Stack:** React Native, Next.js, TypeScript, Redux Toolkit, GraphQL, WebSockets, SSE, Expo

Fountane Makerspace

June 2024 – April 2025

Software Engineer II

Hyderabad, India (Remote)

- Led cross-platform mobile development for StayNow using React Native, delivering production-grade iOS and Android applications.
- Architected scalable state management using Redux Toolkit with normalized caching strategies, improving data consistency and performance.
- Integrated secure payment flows and asynchronous booking verification systems handling multi-state confirmation logic.
- Implemented Server-Side Rendering (SSR) and dynamic routing with Next.js to improve load performance and SEO discoverability.
- **Stack:** React Native, Next.js, Redux Toolkit, GraphQL, Firebase, Expo

Fountane Makerspace

Mar 2023 – May 2024

Software Engineer I

Hyderabad, India (Remote)

- Built a React Native-based hotel booking platform focused on direct hotel-client disintermediation.
- Integrated GraphQL APIs to reduce over-fetching and streamline client-server communication.
- Developed high-performance landing experiences for internal 3D design division.
- **Stack:** React Native, Next.js, GraphQL, TypeScript, Node.js

BYJU'S

June 2022 – Feb 2023

Software Engineer I

Bengaluru, India (Remote)

- Developed dynamic React/Redux UI modules powering BYJU'S Tuition Centers platform.
- Automated deployment and publishing workflows, increasing release velocity and reducing manual intervention.
- Designed and delivered a custom recording infrastructure POC, reducing third-party costs from 20L/month to 5L/month (**75% reduction**).
- **Stack:** React.js, Redux, Node.js

Epsilon

Software Engineer Intern

Jan 2022 – June 2022

Bengaluru, India (Remote)

- Delivered pixel-accurate, responsive UIs aligned with enterprise brand guidelines.
- Built accessible and responsive components using SCSS, Flexbox, and CSS Grid.
- **Technologies:** HTML5, CSS3, SCSS, JavaScript, React

Education

BMS Institute of Technology

B.E. in Electrical and Electronics (GPA: 8.2/10)

Aug 2018 – Jun 2022

Bengaluru, India

- Relevant Coursework: Data Structures and Algorithms (C++), Introduction to Computer Science