Rupank Joshi

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Summary

Frontend Engineer with 3+ years of experience building high-performance, scalable web applications using React.js, Next.js, and TypeScript. Specialized in Core Web Vitals optimization, SSR/SSG architectures, and AI-integrated user experiences. Proven track record of improving page performance (LCP reduced by up to 40%) and driving measurable business impact, including 25% increase in conversion rates.

Professional Experience

Frontend Engineer *New Delhi*
MiM-Essay (Kraya AI & MentR-Me) *Apr 2023 – Present*

- Led development of a modular frontend architecture using **React, Next.js (App Router), and TypeScript**, enabling reusable components and reducing feature delivery time by **30%** across teams.
- Spearheaded migration from **Next.js 11 to 13, React 17 to 18, MUI 4 to 5**, introducing server components and optimized SSR/SSG strategies, resulting in **40% improvement in Core Web Vitals** (notably LCP and INP).
- Designed and implemented AI-powered essay evaluation and chat interfaces using OpenAI APIs, including real-time streaming responses and structured feedback pipelines, reducing user drop-offs by **15%**.
- Optimized performance across key user flows through **route-based code splitting, lazy loading, and bundle pruning**, significantly improving Time-to-Interactive on low-bandwidth devices.
- Built onboarding funnels and analytics dashboards for an AI-driven CRM, contributing to a **25% increase in demo-to-paid conversion rate** through improved UX and data visibility.
- Architected and integrated **API-driven workflows (REST + WhatsApp automation)** for lead capture and engagement, enabling scalable, trackable user journeys.
- Automated internal engineering workflows using **LLM tools (ChatGPT, Claude, Cursor)**, saving **8-10 developer hours per week**; recognized as **Employee of the Month** for leading critical migrations and zero-downtime releases.

Frontend Developer Intern *Remote*
Tongadive *Mar 2023 – Apr 2023*

- Built a cross-platform healthcare dashboard using **React, TypeScript, and Ionic**, enabling real-time medical inventory tracking.
- Developed accessible UI components with **semantic HTML and ARIA**, ensuring WCAG compliance.
- Integrated REST APIs for real-time data synchronization across web and mobile clients.
- Wrote unit and integration tests, improving reliability and reducing regressions in core workflows.

React Teaching Assistant *Remote*
Coding Ninjas *Dec 2022 – Apr 2023*

- Mentored students by resolving **300+** React and JavaScript queries, maintaining a **4.9/5 satisfaction rating**.
- Conducted debugging sessions and code reviews, helping learners improve problem-solving and code quality.
- Created reusable examples and structured explanations to accelerate understanding of core frontend concepts.

Education

ABES Engineering College *Aug 2014 - Aug 2018*
B.Tech in Electronics and Communication (7 CGPA)

Technical Skills

Languages: JavaScript (ES6+), TypeScript, Python, SQL
Frontend: React.js, Next.js (App Router), Redux Toolkit, MUI, Ionic
Backend & APIs: Node.js, Express, REST APIs, GraphQL
Performance: Core Web Vitals (LCP, CLS, INP), Lighthouse, Code Splitting, Lazy Loading
AI/LLM: OpenAI API, Gemini, Prompt Engineering, LLM Integrations
Tools: Git, Webpack, CI/CD, Postman, Figma