Yogesh Singh

Senior Frontend Engineer | React.js | Next.js | TypeScript | AI Applications | Performance Optimization

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SUMMARY

Senior Frontend Engineer with 4+ years of experience building scalable SaaS, AI-powered and high-traffic web applications using React.js, Next.js, TypeScript, React Query and modern frontend architecture. Experienced in developing performant, SEO-friendly applications using App Router, SSR, Core Web Vitals optimization and reusable component design. Proven track record of owning products end-to-end—from architecture and development to production deployment and post-release support. Passionate about building scalable, high-performance products with a strong focus on user experience, performance optimization and engineering excellence.

SKILLS

Core Frontend: React.js, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, React Hooks, Custom Hooks, Context API
State Management: Redux Toolkit, Zustand, TanStack Query (React Query)
Styling: Tailwind CSS, Material UI, Responsive UI, Cross-browser Compatibility
Real-Time Systems & Advanced Web: WebSockets, WebRTC, HTML5 Canvas
Performance: Core Web Vitals, Lighthouse, Code Splitting, Lazy Loading, Memoization, SSR, SSG, ISR, Bundle Optimization
Backend Integration: REST APIs, Node.js, Express.js, MongoDB, Strapi, Axios
Testing: Jest, React Testing Library, Playwright
Cloud: AWS, Vercel, Netlify, Git, GitHub, GitLab, CI/CD
AI Tools: Cursor AI, GitHub Copilot, ChatGPT, Kiro

EXPERIENCE

Senior Frontend Engineer
SpeedRadio (Remote) **1 May 2026 - Present, Remote**

- Designed, developed and deployed production-ready features using React 19, Next.js 16 and TypeScript for a high-performance social audio platform.
- Developed Profile, Settings, Authentication and User Management modules with reusable component architecture and responsive UI.
- Integrated REST APIs using **TanStack Query (React Query)** with caching and optimistic updates.
- Optimized Core Web Vitals, lazy loading, image optimization and code splitting.
- Owned the complete frontend delivery lifecycle including architecture, development, production deployments, release management and post-production support.
- Collaborated directly with Founder, Product and Backend teams to deliver features end-to-end.

Tech: React 19, Next.js 16, TypeScript, Tailwind CSS, TanStack Query, REST APIs, Vercel, Git, AWS, CI/CD

SDE-1
Adda247 – India's Leading EdTech & Govt Exam Preparation **3 March 2025 - 30 April 2026, Gurgaon, India**
Career247 Platform

- Built scalable job and learning platform features using Next.js, Tailwind CSS and Zustand with a focus on performance and maintainability.
- Improved SEO, Core Web Vitals and page performance through SSR, lazy loading and bundle optimization.

Real-time Live Classroom Platform

- Developed a real-time live classroom platform supporting concurrent users using React 18, Redux Toolkit and AWS IVS.
- Built a Canva-like collaborative editor using HTML5 Canvas and Fabric.js with advanced drag-and-drop functionality, object manipulation, and layer management.
- Implemented real-time multi-user synchronization using WebSockets enabling concurrent editing and live updates.
- Designed and developed a Kanban Board system with drag-and-drop task management (similar to Trello) supporting dynamic state updates and smooth UI interactions.
- Integrated AI-assisted workflows using Cursor AI and ChatGPT to accelerate feature development, debugging, and UI generation.
- Optimized rendering performance for large canvas objects using memoization and efficient re-renders.

Tech: React 18 • Next.js • Redux Toolkit • AWS IVS • WebSockets • Fabric.js • TypeScript • Tailwind CSS

Software Engineer
A'alda Vet India Pvt. Ltd (Japan/India) **3 April 2023 - 27 Feb 2025, Gurgaon, India**

- Designed VET360HMS clinic workflow components with **React** and **Vite**, enhancing adaptability and technological flexibility.
- Developed a custom Rich Text Editor using React, Redux and Hooks to improve veterinary documentation workflows and content accuracy.
- Integrated Editor.js to build a modular and extensible rich text editor for structured medical records and documentation.
- Implemented drag-and-drop functionality in the Queue Management System to efficiently manage patient flow and priority handling in clinics.
- Led the development of DCC Animal Hospital Online Booking System using **Next.js**, streamlining appointment scheduling for veterinary care and pet grooming.
- Simplified project management via **Slack, JIRA, and Sentry** integration, advancing project milestone tracking by 30%.
- Built scalable dashboards handling large datasets while maintaining high rendering performance and responsive user experience.
- Designed reusable and configurable content blocks using Editor.js, improving maintainability and authoring workflows.

Tech: React • Vite • Redux • Editor.js • Next.js • REST APIs • TypeScript

Software Developer

Aarya Printers **28 April 2022 - 31 Mar 2023, Delhi/Remote**

- Built a Canva-like in-house web design editor using HTML5 Canvas and Fabric.js enabling drag-and-drop editing, layer management and real-time preview for print templates.
- Deployed and managed frontend assets using AWS S3, CloudFront and Route53, ensuring reliable content delivery.

Previous Experience

Senior Officer – Vardhman Textile **28 Sep 2019- 18 April 2022, Ludhiana, India**

- Worked closely with QA and production teams, developing strong process discipline and quality mindset.

PROJECTS

HMS (Hospital Management System)

Aalda • April 2023 - Feb 2025

- Built a scalable Hospital Management System dashboard using React with modular component architecture and role-based access control.
- Implemented role-based access control (RBAC) and protected routes.
- Optimized rendering using memoization and controlled re-renders for data-heavy dashboards.
- Designed reusable components for OPD, billing, pharmacy, and analytics modules.

Tech: React, Redux, RBAC, REST / RESTful APIs, Chart.js

SpeedRadio

- Built a production-ready social audio platform using React 19, Next.js 16 and TypeScript.
- Developed Profile, Settings, Authentication and User Management features.
- Integrated REST APIs using TanStack Query with caching and optimistic updates.
- Optimized Core Web Vitals, image loading and application performance.

Core Competencies

• Frontend Architecture • React.js • Next.js • TypeScript • Performance Optimization • Core Web Vitals • React Query • Redux Toolkit • API Integration • End-to-End Product Ownership • AI Applications • Agile Scrum

EDUCATION

B.Tech. (Textile Technology)

Rajasthan Technical University, RTU • Kota, RJ • 2015 - 2019

Class XI-XII (PCM)

BIC College • Gorakhpur, UP • 2013 - 2015