

Vaishnavi Rastogi

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Summary

Software Developer with **2 years** of experience building scalable web applications using **Next.js, React.js, TypeScript**, and modern technologies. Specialized in **AI integration, full-stack development**, and **performance optimization**. Recently worked at First American India, a leading **US-based financial** company, where I improved system performance by **80%** while handling **100K+ records**. I enjoy creating modern applications with clean code, real-time features, and cutting-edge technologies like AI and WebSockets.

Technical Skills

Frameworks & Libraries: **React.js, Next.js, Express.js, Tailwind CSS, Zustand, React Router, Material UI, Jest**

Languages: **JavaScript (ES6+), TypeScript, Node.js, Java, HTML5, CSS3**

Tools & Development: **VS Code, Vite, ESLint, Prettier, JIRA, Git & GitHub, Figma, Vercel, Postman**

APIs & Databases: **RESTful API, GraphQL, Firebase, MongoDB, WebSockets, Socket.io, Gemini AI**

Other: **PWA, JWT, OAuth 2.0, AWS (basic), Agile (Scrum)**

Experience

Frontend Developer - First American India

April 2023 – December 2024

- Led the transition of the legacy **Transaction Portal** to React.js, leveraging TypeScript and **Redux**, while developing **reusable components** (including **HOCs**), reducing development time for new pages.
- Developed and managed the **Manage Users** page to efficiently handle buyer and seller details through Escrow Officers, implementing advanced **search and filter** functionalities with **real-time updates**.
- Collaborated with backend teams to integrate **REST APIs** and support dynamic UI updates with consistent **error handling** using error boundaries and modern React patterns.
- Enabled admins to efficiently manage users by building key **modals** (Email Resend, QnA Restart, Opt-Out), improving internal operations and reducing support dependency by 45%.
- Integrated **pagination** in the Manage Users page, efficiently handling **100K+** records by fetching data in smaller chunks, reducing initial page load time and server load by **80%**.
- Enhanced page performance by implementing **optimization techniques** like **lazy loading, memoization, debouncing and throttling**, resulting in faster load times and improved experience.
- Collaborated with **cross-functional teams**, including designers and managers, to ensure seamless UI integration and **cross-browser compatibility** across desktop and mobile devices for a consistent user experience.

Frontend Developer Intern - My Digital Dudes Technology LLP

January 2023 – April 2023

- Developed responsive web pages using **HTML5, CSS3, JavaScript** and **React.js** with a focus on cross-browser compatibility, **SEO** best practices, and performance optimization.
- Enhanced interactivity through **DOM manipulation** and collaborated with designers to build pixel-perfect layouts with modern CSS techniques and animations.

Key Projects | [More Projects](#)

InterviewAI | [React.js](#), [TypeScript](#), [Firebase](#), [Tailwind](#), [Gemini AI](#) | [Github](#) | [Live](#)

- Built an **AI-based mock interview platform** with Gemini AI that generates questions, gives feedback, and provides **AI insights**.
- Added **webcam and speech recognition** for interactive interviews, with secure **Firebase authentication** and responsive design for a seamless cross-device experience.
- Created a **custom interview setup** (by role, level, and domain) with a dashboard to track progress and improvements.

GreedyTodo | [Next.js](#), [TypeScript](#), [Node.js](#), [Express.js](#), [MongoDB](#), [WebSockets](#), [PWA](#) | [Github](#) | [Live](#)

- Built a **full-stack task management system** from scratch, designing REST APIs for tasks & authentication (JWT + Google OAuth) and integrating them with a Next.js frontend.
- Implemented **real-time updates** with WebSockets and added **PWA features with push notifications**, supporting offline access, deadline alerts, and cross-device sync.
- Developed role-based access control, live dashboards, advanced search/filtering, and deployed frontend/backend using Vercel & Render.

Education

Chitkara University

BE in Computer Science | CGPA : 9.34

August 2019 – May 2023