Rajan Palial

Software Engineer

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🔗 Portfolio Website

Profile

Experienced in crafting scalable APIs, proficient in database modeling utilizing Prisma and PostgreSQL, and adept at implementing Redis-based caching and rate limiting. Experienced in working with Dockerized environments, and deploying applications on cloud platforms like Vercel, Render, and Netlify.

Professional Experience

Associate Software Engineer, *Carelon Global Solution*   08/2022 – Present
                                                                             Gurgaon,India

- Developed and maintained **scalable frontend applications** using **React.js, Next.js, and TypeScript**, ensuring responsive and accessible user interfaces.
- Built **interactive and responsive UI components** with **Material-UI and TailwindCSS**, delivering a consistent design system and enhanced user experience.
- Integrated **REST APIs** with **React Query/Redux**, streamlining state management and improving data-fetching efficiency.
- Optimized **frontend performance** with code-splitting, lazy loading, and efficient rendering strategies, reducing load times and improving Core Web Vitals.
- Participated in **code reviews** and collaborated with cross-functional teams in an **Agile/Scrum environment**, ensuring timely delivery of high-quality features.

Education

B.Tech (C.S.E), *Beant College Of Engineering and Technology*   08/2018 – 08/2022
CGPA 7.81/ 10   Gurdaspur,India

Skills

- Languages: JavaScript, TypeScript

- Concepts: asynchronous programming, closures, ES6+ features, JWT authentication

- Frameworks / Libraries: Next.js, React.js, React Router, Jest, TailwindCSS, React Query, Framer Motion, GSAP, Redux, Material-UI

- Tools & Technologies: Docker , Redis , PostgreSQL , Razorpay

Projects

Comment.Io ⧉
- Built a YouTube Comment Analyzer that classifies comments into positive, negative, and suggestion categories.
- Implemented Redis-based rate limiting and used Prisma ORM with PostgreSQL for efficient data handling.
- Integrated Razorpay payment gateway to enable premium features for advanced analysis.
- Developed with Next.js, Express.js, and Node.js, ensuring scalability and secure user access.

Myora Hotel booking ⧉

- Built Myora Hotel booking platform using Next.js, Node.js, Express.js, Framer Motion, and auth.js for authentication.
- Implemented JWT-based login for secure user sessions.
- Implemented conflict-free booking system that reduced double bookings by preventing already reserved dates.

NimbuPani ⧉

- Developed a Cold Drink Booking platform using Next.js, Node.js, Express.js, and Framer Motion for interactive UI.
- Implemented JWT-based authentication with auth.js for secure user login and session management.
- Used Prisma ORM for efficient database management and handling bookings.
- Integrated Razorpay payment gateway for smooth and secure online transactions.

Ikoo ⧉

- Built a collaborative whiteboard using **Socket.IO** ⧉ enabling real-time multi-user drawing and editing of shapes.
- Secured user access with **JWT authentication** and managed board membership/roles.
- Persisted boards and shapes using **Prisma ORM**, ensuring recovery and versioning of drawings.
- Implemented an interactive **Canvas-based editor** supporting multiple shape types, movement, resizing, and text input.