

Rajan Software Engineer

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-  Portfolio Website
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Profile

Full-Stack Software Engineer with 3+ years of experience building scalable APIs, modern UIs, and real-time systems. Proficient in Next.js, TypeScript, Prisma, PostgreSQL, Redis, and cloud deployment (Vercel, Render, Docker). Skilled in API development, system optimization, and Agile workflows.

Skills

- Languages: JavaScript, TypeScript
- Frameworks / Libraries: Next.js, React.js, React Router, Jest, Tailwind CSS, React Query, Framer Motion, GSAP, Redux, Material-UI
- Concepts: asynchronous programming, closures, ES6+ features, JWT authentication
- Tools & Technologies: Docker, Redis, PostgreSQL, Razorpay

Education

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

Professional Experience

- Carelon Global Solution**
Associate Software Engineer (Full-Stack Development)
08/2022 – Present | Gurgaon,India
- Developed and maintained **scalable frontend applications** with React.js, Next.js, and TypeScript, ensuring responsive and accessible UIs.
 - Built **interactive UI components** using Material-UI and Tailwind CSS, delivering a consistent design system and improved user experience.
 - Integrated **REST APIs** with React Query/Redux, streamlining state management and data fetching.
 - Optimized performance through **code-splitting, lazy loading, and efficient rendering**, improving load times and Core Web Vitals.
 - Collaborated in an **Agile/Scrum environment**, participating in code reviews and ensuring timely delivery of high-quality features.

Projects

- Comment.Io**
- Developed** an AI-driven platform to analyze YouTube comments, **classifying feedback into positive, negative, and suggestion categories**.
 - Integrated** a secure **Razorpay payment gateway**, enabling premium users to unlock advanced analytics features.
 - Implemented** Redis-based **rate limiting** and optimized PostgreSQL queries, **reducing API response times by ~30%** and ensuring system stability under load.
 - Delivered** a **scalable,real-time platform** with interactive features, supporting **concurrent users** seamlessly.
- Tech Stack:** TypeScript,Next.js,Tailwind CSS, Express.js, Node.js, PostgreSQL, Prisma, Redis, Razorpay Integration,Youtube Api,Google Gemini Api,NextAuth.js

- Sips**
- Designed and launched** a scalable pre-ordering platform that streamlined beverage reservations during peak demand, increasing order handling efficiency.
 - Developed** a responsive, intuitive ordering experience with interactive UI elements, leading to higher user engagement and reduced cart abandonment.
 - Secured** platform access with **JWT authentication** and **role-based session management**, ensuring data integrity and controlled user privileges.
 - Integrated** Razorpay for frictionless online payments, boosting customer trust and reducing checkout failures.
 - Enhanced system reliability** by implementing **Redis-backed API rate limiting** and backend optimizations and maintaining consistent response times under load.

Tech Stack: TypeScript,Next.js, Tailwind CSS, Node.js, Express.js, Prisma, NextAuth.js, Razorpay Integration, Framer Motion,PostgreSQL

- Ikoo**
- Built** a real-time collaborative whiteboard using **Socket.IO** , enabling multiple users to draw and edit simultaneously with minimal latency.
 - Developed** an interactive canvas editor supporting **shapes (lines, rectangles, circles, arrows,diamond)** along with movement, resizing, and text input for richer collaboration.
 - Secured** user sessions with **JWT authentication** and **NextAuth.js**, ensuring safe and private multi-user interaction.
 - Optimized** backend performance with **Node.js, Express.js, and Prisma**, delivering a scalable and reliable real-time system.

Tech Stack: Socket.IO , Node.js, Express.js, Prisma, JWT, Canvas, NextAuth.js, TypeScript, Next.js, Tailwind CSS

- Myora Hotel booking**
- Designed a smart hotel reservation system that let users seamlessly browse, book, and manage stays.
 - Implemented a conflict-free booking engine that eliminated double-booking issues by locking reserved dates in real time.
 - Strengthened platform security with JWT-based authentication and protected booking data.
 - Enhanced user engagement with smooth, interactive animations and a modern UI experience.
- Tech Stack:** Next.js, Node.js, Express.js, NextAuth.js, JWT, Framer Motion, Tailwind CSS, TypeScript