RAHUL J RAJ

Full Stack Developer

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Profile Summary

Innovative and results-driven Full Stack Web Developer with expertise in designing, developing, and optimizing scalable web applications. Proficient in MERN stack (MongoDB, Express.js, React, Node.js) and modern development tools, delivering high-performance, user-centric solutions. Adept at architecting robust backend systems, crafting dynamic frontend interfaces, and ensuring seamless API integrations. Passionate about writing clean, maintainable code, implementing best practices in software development, and continuously exploring emerging technologies. A strong problem-solver and collaborative team player, dedicated to driving efficiency, scalability, and innovation in fast-paced environments.

Technical Skills

- **Languages:** JavaScript, TypeScript, C, Java, Python
- **Frontend:** Next.js, React.js, HTML, Redux, Tailwind CSS, Bootstrap, Handlebars (EJS), CSS
- **Backend:** Node.js, Express.js, REST APIs, Clean Architecture, MVC, Mongoose
- **Infrastructure:** Data Structures, npm, Nginx, PM2, Load Balancing, CI/CD pipelines
- **Databases:** MongoDB, MySQL
- **Integration:** Docker,Razorpay, Multer, Socket.IO, Firebase, JWT (JSON Web Token), Nodemailer, Zego-cloud
- **Deployment:** AWS EC2, GitHub Actions, Route 53, SSL, Render,Docker.
- **Developer Tools:** Visual Studio Code, GitHub, Postman, Figma
- **Computational Skills:** Data Structures and Algorithms
- **Soft Skills:** Self-learning, Problem-solving, Time management, Adaptability, Organizational skills,Leadership.

Projects

Career-up job portal website   Live Link | ⭘ GitHub

- Developed **LadderUp**, an efficient job portal website designed to help freshers level up their careers, built using **TypeScript** and **JavaScript**, following **Clean Architecture** for scalability and maintainability.
- Built the backend using **Node.js**, **Express.js**, and **MongoDB** (with **Mongoose**), ensuring structured data handling and security.
- Implemented a responsive frontend with **React.js**, styled using **Tailwind CSS**, and managed state with **Redux**.
- Integrated full authentication with **JWT** for secure sessions, **Google Auth** and **GitHub Auth** for seamless sign-ins, and **Nodemailer** for email verification.
- Enabled real-time features including **Socket.IO** for live chat functionality.
- Integrated **FireStore** for efficient storage and delivery of files and images, with enhanced API security using access and refresh tokens, along with **Axios interceptors**.
- Successfully deployed the full-stack application on **Render** with automated deployments from GitHub for continuous delivery and an admin console for managing purposes.

Dream-furnni - E-commerce Website   Live Link | ⭘ GitHub

- Developed **Dream-furnni**, an online furniture store with core **E-commerce functionalities**.
- Designed responsive UIs using **EJS** and **Bootstrap**, ensuring cross-browser compatibility and optimized UX.
- Built server-side logic using **Node.js**, **Express.js**, and **MongoDB** with **Mongoose** for database management, and created **RESTful APIs** for CRUD operations, user management, and order processing.

- Implemented secure registration and authentication using **Nodemailer** for email OTP verification.
- Developed advanced product filtering, cart, wishlist, and seamless purchasing with Cash on Delivery (COD) or online payments via **Razorpay**.
- Integrated a **wallet** system to manage funds from returns or cancellations.
- Built an **Admin console** to manage products, stock, view statistics, download reports, and more.
- Deployed on **AWS** for high availability and scalability, and configured **Nginx** as a **reverse proxy** and **load balancer**.

Mini Projects

Next.js-App-Router
 GitHub

- Developed an application using **Next.js** with the **App Router**, focusing on efficient application routing and dynamic rendering.
- Gained hands-on experience in optimizing navigation, server-side rendering (SSR), and static site generation (SSG) for enhanced performance.
- Explored the proficiency and efficiency of handling routes in modern web applications using **Next.js**.
- Any newbies can learn by chasing the provided code and understanding the structured implementation.
- Implemented modular components to enhance code reusability and maintainability within the project.
- Ensured seamless integration of API routes, improving data fetching efficiency and performance.

Videocall-app
 GitHub

- Developed a video call application with essential functionalities, enabling real-time communication.
- Built using **TypeScript**, **React.js**, **Tailwind CSS**, and **ZEGOCLOUD** for seamless video conferencing.
- Integrated secure authentication and user management for a reliable calling experience.
- Implemented responsive UI components for a smooth and accessible interface across devices.
- Any beginner can understand the structure and learn from the provided code.

OLX-CLONE
 GitHub

- Developed a OLX frontend clone using **React**, **Tailwind CSS**, **Firebase**, and **TMDB API**.
- Implemented user sign-up functionality using email for authentication.
- Enabled users to buy and sell products of their choice and view their details and ratings.
- Published the website on **GitHub Pages**.

Education

MSC IN BIOCHEMISTRY WITH NANOTECHNOLOGY   2019 - 2023
SREE NARAYANA GURU COLLEGE,COIMBATORE
FIRST CLASS WITH DISTINCTION

MERN Stack Development   2024 - Present
Brototype,kozhikode