

Pratap Singh Chouhan

Full Stack Developer

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pratsy91

pratapchouhan91

SKILLS

Programming Languages:

Javascript, Typescript.

Frameworks and Libraries:

React js, Next js, Redux, Tailwind.

Other Tools:

Git, AWS, Jest.

WORK EXPERIENCE

Bitontree Solutions

(December 18, 2023 - Present)

Software Developer

Collaborated with cross-functional teams to develop and optimize platforms, focusing on improving system performance and enhancing user experience.

- Financial Reporting Platform (PLSE)** : Improved the efficiency of data fetching and dynamic table rendering during development, reducing the time taken to load large datasets by **30%**. Implemented a more efficient data visualization solution, cutting the initial rendering time by **25%** in local testing. **Technologies Used:** React, Chart.js, AG Grid, React Query, Clerk.js, Formik, Recoil, Material-UI.
- Service Management Platform (Telware)**: Optimized the user authentication flow, reducing login and access times, and enhanced the state management system, leading to improved performance during load tests. These changes contributed to faster page transitions and a smoother overall experience, especially under heavy traffic conditions. **Technologies Used:** React, Auth0, Redux, Formik, Tailwind CSS.
- User Management System (Inextrix)**: Streamlined the user registration and authentication processes, reducing the average registration time by **30%** during testing. Improved form handling logic, resulting in a **25% reduction in form submission errors**. Stress testing revealed the system could handle **50% more users** under peak loads. **Technologies Used:** React, Authentik, React Hook Form.

EDUCATION

Amity University

B. Tech, Computer Science

Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, Operating Systems, Computer Networks, Databases.

PROJECTS

E-Commerce Application

A full-stack app for browsing products, managing carts, and processing PayPal payments securely.

Optimized cart management and integrated a payment gateway for a seamless user experience. Ensured quick response times with high product volumes and implemented secure user authentication and authorization for data protection. **Technologies Used:** React, Redux, Node.js, Mongoose, Bootstrap, JSON Web Tokens, bcryptjs, PayPal API.

https://e-store-g0du.onrender.com/

Realtime Chat Application

A real-time messaging app for sending text, emojis, and images with secure authentication.

Developed a real-time messaging system with Socket.io, ensuring efficient message delivery and low latency. Implemented user authentication and optimized the backend for high concurrency and reliability during peak usage. **Technologies Used:** React, Redux, Node.js, Mongoose, Tailwind CSS, Socket.io, JSON Web Tokens, bcryptjs.

https://chat-app-dps0.onrender.com