Ajaysriram R

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Software Engineer | Full Stack Developer (React.js, Node.js, Express.js, MySQL)

Full Stack Developer skilled in building responsive, scalable, and maintainable web applications using React.js, Context API, Node.js, and modern JavaScript (ES6+). Proficient in developing RESTful APIs with Express.js, integrating databases like MySQL, and building reusable UI components for cross-browser and mobile compatibility. Experienced in writing unit tests using Jest to ensure code quality and reduce regressions. Familiar with Git-based version control, effective debugging, and collaborating in Agile environments. Passionate about optimizing performance through lazy loading, memoization, clean architecture, and following best practices across both frontend and backend to deliver seamless user experiences.

SKILLS

Frontend Technologies: Context API (State Management), CSS3, HTML5, JavaScript, React.js, Typescript

Backend Technologies: Authentication, Express.JS, Nest JS, Node js, REST API

Programming Languages: C, C++, Java

Performance: Code Splitting, Lazy Loading, Memoization

Tools & Platforms: Management Tools (Jira), Visual Studio Code

Database: Mongodb, PostgreSQL, SQL

Version Control and Collaboration: Agile, Git

Testing: Logz.io (Monitoring), Postman (API Testing)

WORK EXPERIENCE

ZautoAI • 09/2025 - Present
Software Engineer - Pharmacy Inventory
Tech Stack - React JS, Node JS, Nest JS, Postgres.

- Developed a full-stack **Pharmacy Inventory Management System** using **React.js**, **Node.js (NestJS)**, and **PostgreSQL**, streamlining daily pharmacy operations like stock tracking, order management, and supplier coordination.
- Engineered dynamic and responsive **React UI components** with reusable design patterns, state management (using Context API), and form validation for smooth data entry and real-time stock updates.
- Implemented **role-based access control (RBAC)** for admins, pharmacists, and staff using **JWT authentication**, improving security and restricting unauthorized access.
- Enhanced application performance with **lazy loading**, **memoization**, and **API response caching**, reducing page load time and improving responsiveness.

Software Engineer - Ninja Media
Tech Stack - Html, Css, JS, React JS

- Developed an AI-powered Railway Assistance Web Application using React.js, enabling users to chat or speak with a virtual assistant to inquire about train schedules, PNR status, ticket availability, and travel updates.
- Consumed **backend RESTful APIs** and **WebSocket endpoints** to fetch, process, and display AI-generated responses and live railway data in real time.
- Implemented **WebSocket communication** between the **React frontend** and **Node.js backend** to deliver **real-time data updates** and **instant AI-generated responses**, ensuring a seamless and interactive user experience.

Avasoft · 07/2023 - 03/2025
Software Engineer - RACPAD
Tech Stack - React JS, Node JS, Express JS, Postgres

- Developed dynamic, user-friendly UI components in React, enhancing user engagement and improving overall platform usability with responsive design, crossbrowser compatibility, and React Hooks like useState and useEffect.
- Ensured application stability during high-traffic events, optimizing infrastructure and performance, maintaining consistent availability even during spikes in user activity or external events.
- Optimized large datasets and rendering logic using memoization, lazy loading, and code splitting.
- Monitored deployed services in real-time, proactively detecting and resolving production issues, ensuring 99.9% uptime and seamless user experience.
- Provided production support during Black Friday sales, managing a significant spike in traffic with 2.9 million page loads and 500k payments processed on the day of the sale.
- Integrated REST APIs using fetch to implement client-server communication and handled asynchronous operations with proper error handling, token-based authentication, and secure headers.
- Developed and integrated scalable REST APIs using Node.js and Express.js.
- Implemented secure JWT-based authentication and session management, improving application security.

Certifications

- Python fundamentals for beginners
- Html 5
- React JS

EDUCATION

Dr. NGP Arts and Science College
Bachelor of Computer Applications (77%)
Bharathi Matric Higher Secondary School
Higher Secondary Education (71%)
Govt Boys Hr sec school
SSLC (84%)