Reshma Bhanu Shaik

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Professional Experience

Software Developer | Tata Consultancy Services | India   **July 2019 – July 2022**

- Actively engaged in Agile methodologies, including Scrum and Jira-based task management, contributing to sprint planning, daily stand-ups, and retrospectives.
- Improved the User Interface (UI) of the USAA application by designing an interactive dashboard that allows users to easily access Auto and Renters insurance products, utilizing React and JavaScript.
- Engineered a responsive and interactive web application utilizing semantic HTML, CSS, JavaScript and React JS while streamlining code compilation with Webpack, boosting client engagement by 25%.
- Implemented reusable React components using React Hooks such as useState, useEffect, and useMemo, optimized performance via state and lifecycle management.
- Reduced the codebase by 40% by migrating legacy code to React 16.8 Hooks, improving readability and performance.
- Managed the application's global state with Redux by implementing Store, Reducers, and Actions, ensuring consistent and centralized state management.
- Optimized web application performance by 30% through AJAX requests with JSON.
- Leveraged React Context API to manage and share state across multiple components, reducing the need for prop drilling and improving application maintainability.
- Collaborated directly with Product Management, UX, and Design teams to implement performance-driven design enhancements that resulted in a 15% increase in user engagement.
- Implemented asynchronous data fetching with fetch API, Axios, and async/await to retrieve data from APIs without blocking the UI, enhancing user experience.
- Developed a secure login portal with one-time password authentication, reducing security breaches by 15%, and implemented JWT for role-based authentication, decreasing unauthorized access by 20%.
- Improved frontend-backend communication performance and coherence by implementing RESTful APIs.
- Applied JavaScript to manipulate the Document Object Model (DOM), including dynamically updating content, adding and removing elements, and handling user events on web pages.
- Implemented React Router for client-side routing in Single Page Applications (SPAs), ensuring seamless navigation between views without full-page reloads.
- Managed data fetching strategies in Next.js using functions like getServerSideProps and getStaticProps, ensuring fast and efficient data retrieval on the server for both static and dynamic pages.
- Built and maintained higher-order components (HOC) to add shared functionality to React components, ensuring flexible and reusable component composition.
- Increased mobile traffic by 28% through responsive web design using CSS media queries, and reduced page load times by 33% with lazy loading and memoization.
- Developed and implemented Node.js Readable and Writable streams to efficiently process and transform data from external sources.
- Implemented CI/CD pipelines using Jenkins, reducing release cycles and improving code quality.
- Spearheaded Jest-based unit testing to enhance application stability and quality.
- Optimized SQL queries for enhanced performance by indexing, refactoring joins, and using advanced SQL features.
- Managed version control using Git, collaborating with the team through pull requests and peer reviews to maintain high code quality.

SKILLS & INTERESTS

- **Programming Languages**: JavaScript (ES6+)
- **Web Technologies:** HTML5, CSS3, AJAX, jQuery, JSON, REST, HTTP, Jest, DOM Manipulation
- **Frameworks & Libraries:** React JS, Redux, Micro-Frontend Architecture, Express JS, Bootstrap 5, Tailwind CSS
- **Backend Frameworks & Technologies:** Node JS, Oracle, MySQL, MongoDB
- **Version Control:** GIT, GitHub, Bitbucket
- **Cloud & DevOps:** CI/CD, Jenkins, Netlify
- **Analytics & Monitoring Tools**: Grafana, Datadog
- **Build Tools:** NPM, Webpack, Yarn, Vite, Babel
- **Software Methodologies/Tools:** Object Oriented Design, Single Page Applications, RESTful API Design, SEO techniques, Agile, JIRA, Unit Testing, Visual Studio, Vite, ES Lint, Prettier

Certifications

Microfrontends with React: A Complete Developer's Guide - Udemy   2024
React - The Complete Guide 2024 (incl. React Router & Redux) - Udemy   2024

Education

Bachelor of Technology, **Computer Science and Engineering**   Aug 2015- May 2019
Sagi Rama Krishnam Raju Engineering College   **GPA: 3.2/4.0**