ANKIT TIWARI

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Summary

"Frontend Developer with 3+ years of experience building scalable React applications, strong in performance optimization and testing with Jest and RTL"

Work Experience

Frontend Engineer   *May2022 - Present*
Zeal Interactive Service   *Mumbai*

- Streamlined application development by developing **reusable and generic components using React**, resulting in a **30% reduction in development time**
- **Created a scalable UI theme with Tailwind CSS** in React, improving design consistency and development efficiency
- Collaborated with product managers, designers, and backend teams to **translate UI/UX requirements into scalable React components**, ensuring smooth integration with **REST APIs** and **consistent user experience** across devices
- Conducted thorough peer code reviews on GitHub, ensuring code quality, adherence to best practices, and **web accessibility standards (WCAG)**
- Achieved **40% reduction** in page load time by implementing **caching mechanisms** and minimizing unnecessary component re-renders, improving **load speed** from 3s to **1.5s**
- Modernized the legacy mainframe system by building single page web application in React and React components
- Optimised state management using Redux, Context API, improving application responsiveness and maintainability
- Developed and integrated a **debouncing** technique, resulting in improved responsiveness and reduced processing overhead.
- Implemented strict typing with **TypeScript in API integration** to catch potential issues during development and improve reliability.
- Wrote **unit and integration tests** using Jest and React Testing Library, **ensuring 90%+ code coverage and robust UI behaviour** under various edge cases.

Skills

Languages: JavaScript (ES6+), HTML5, CSS3, Typescript

Technologies: React JS, Redux, Tailwind CSS

State Management: Redux toolkit, Context API

Performance Optimization: Code Splitting, Lazy Loading, Memoization, Tree Shaking, Bundle Optimization

API Integration: RESTFUL APIs

Dev Ops: Git, GitHub, Parcel, Vite, Babel, Netlify

Testing: React Testing Library, Unit Testing, Component Testing, Test-Driven Development (TDD)

Projects

- Developed and deployed a responsive Country Explorer web app using React, REST API and CSS
- Implemented **Dynamic Routing** for country details and border navigation and enhanced UX with **Shimmer loading UI**
- Implemented data fetching with **Promises** and structured the UI with reusable custom components for maintainability and scalability
- Incorporated robust error handling using **try-catch** blocks to ensure graceful API failure management
- Integrated a **dark/light mode toggle feature**, preserving user preference across sessions **via Local Storage**
- Deployed the project seamlessly using **Netlify** for public access and testing
- Link of the Project**:** https://listofcountriesapi.netlify.app/

Education

Web Development
- Self-taught
- W3 Schools, MDN Docs, etc.

Article (C. A)   *2018 - 2022*
RMJ & Associates   *Mumbai*

Sydenham College of Commerce and Economics   *2018*
B. Com   *Mumbai*

Certifications

- Responsive Web Design   *- Free Code Camp*
- JavaScript Algorithms and Data Structures (Beta)   *- Free Code Camp*