Bhavesh Bafana

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Profile Summary (Frontend Developer)

Frontend Developer skilled in JavaScript, React, Redux, and Next.js, with hands-on experience in building responsive and scalable applications. I take ownership of my work, write clean and maintainable code, and enjoy collaborating with teams to deliver user-focused solutions. Proactive in solving problems, improving performance, and ensuring seamless user experiences.

Key Skills

- **Web Technologies:** JavaScript, CSS3, HTML5, Typescript
- **Libraries & Frameworks:** React, Redux, Next JS, jQuery, React query, React router, LESS, Jest, React Testing Library
- **Tools Used:** IT Bitbucket, Git, GitHub, Jira, IDE- VS Code

Work Experience

Software Engineer (Frontend Developer) | Tata Consultancy Services (05/2022 – Present)

- Took responsibility for developing and maintaining frontend features using React, JavaScript, Next.js, Redux, ensuring smooth user experience.
- Worked closely with backend and QA teams to understand requirements, clarify use cases, and deliver solutions within project deadlines.
- Worked in Agile environment, participating in sprint planning, code reviews, and client demos to ensure requirements were fully met and delivered on time.
- Took initiative in identifying performance issues through debugging and suggested improvements like lazy loading, memoization, and caching that helped speed up applications.

Projects

Honeywell Building Solution

- Developed and optimized key e-commerce pages such as Cart, Product Detail Page (PDP), Checkout, and Order Confirmation using React JS, Next JS, Redux and reusable functional components, ensuring seamless user experience.
- Optimized Cart performance by implementing lazy loading for 300+ cart items, reducing load time from 15 minutes to 45 seconds and significantly enhancing user experience and overall app responsiveness.
- Developed data tables to efficiently handle large datasets, optimizing performance by implementing memoization, virtual scrolling and pagination, resulting in a 40% improvement in load and render speed.
- Implemented virtual rendering and image lazy loading on the product listing page, improving scroll performance and reducing initial load time by 30%, enabling faster product display even with hundreds of items.
- Collaborated with backend teams to optimize REST API performance, implement caching strategies, and reduce redundant API calls for a smoother user experience.

Master Card

- Developed a responsive Mastercard Currency Conversion page using JavaScript and CSS, ensuring cross-browser compatibility and seamless user experience.
- Implemented real-time currency conversion logic with JavaScript, enabling accurate and dynamic updates based on user-selected currencies and input values.
- Created a user-friendly and intuitive UI using CSS, including interactive dropdowns, animated transitions, and clean layout design.
- Integrated API/data simulation for currency rates to demonstrate realistic conversion outputs for various currency pairs.

Exelon Corporation

- Built reusable and responsive components that support multimedia content using React and CSS.
- Developed custom video card components where videos auto-play on hover and pause on mouse leave, leveraging the HTML5 <video> API and React event handling.
- Enhanced interactivity using modern JS and media APIs, improving user engagement with seamless video previews in UI cards.

Fab Thread Ecommerce Platform

🌐 fabthread.vercel.app

🗄 GitHub: github.com/Bhavesh210996/The-Fab-Thread-ecomm

- Developed FabThread, a modern eCommerce platform using React, React Query, Redux, Context API, React Router, and Supabase, a cloud-based backend service built on AWS.
- Utilized Redux and Context API for efficient client-side state management, enhancing app performance and maintainability.
- Implemented React Query for robust server-side state handling, ensuring real-time data fetching, caching, and synchronization.
- Utilized React lazy loading and code-splitting to defer loading of non-critical components, reducing initial bundle size and improving first load performance by 40%, leading to a smoother user experience.
- Integrated Supabase's cloud-hosted authentication and graphQl database to enable secure user login and reliable backend data operations.

Education

B.E. Mechanical Engineering | Savitribai Phule Pune University (2020)

Awards and Achievements

- Received the Star of the Month Award @ TCS
- Received the On-the-Spot Award twice @ TCS