

Suchitha R

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PROFESSIONAL SUMMARY

- React Developer with 1.9 years of IT experience in developing web applications using React Js in Hospitality and E-commerce domains.
- Experienced in enhancing user personalization, global state management, efficient data handling, managing asynchronous operations, writing efficient and organized code using Redux.
- Contributed to developing a retail e-commerce platform, with intuitive user experience and SEO by managing client-side routing with React Router and using the technologies Firebase, GraphQL, Progressive Web App (PWA)
- Experienced in implementing client-side rendering with React, React Router for navigation, Styled Components for UI enhancements, React Query for data fetching and synchronization, Supabase for secure data handling, Recharts for Data visualizations and statistics.
- Experienced in using Next.js, incorporating server-side rendering, file-based routing, and server components, Tailwind CSS for styling, Supabase for the backend and database operations.

TECHNICAL SKILLS

Front-End Development	HTML, CSS, Javascript, React Js, Redux, Redux Saga, React Router, React Context, Styled Components, Next.js, Bootstrap, Tailwind CSS, GraphQL, Progressive Web Apps (PWAs), Jest
Back-End Development	Firebase, Supabase
Database Management	NoSQL databases (Firebase Firestore, Supabase)
Version Control	Git
Tools and Techniques	Client-side rendering, Server-side rendering, Unit testing, Code review, Accessibility testing, Responsive design.

WORK EXPERIENCE

Elpizo Technologies Pvt Ltd, Vijayawada

Sept 2023 – April 2024

Role: Team Lead

- Led and mentored team of web designers in creating user-friendly, responsive websites ensuring adherence to design best practices using HTML5, CSS3, Bootstrap, Javascript and wordpress.
- Built an internal hotel guest management application to be used by the hotel staff for a local client by leveraging React to handle UI rendering for efficiently managing room bookings, room details, and guest information.
- Implemented client-side rendering to ensure that the hotel management application runs efficiently within the browser, allowing dynamic updates to the user interface without requiring full page reloads.

- Utilized React Router for managing navigation within the application by implementing nested routes and dynamic routing to efficiently organize the application's structure.
- Enhanced the UI using Styled Components library and applied global styles, theming, and component-based styling to ensure consistent design across the entire application.
- Enabled efficient data fetching, caching, and synchronization with the backend by utilizing React Query to handle various operations which improved the responsiveness of the application without manual state management.
- Applied Context API to manage UI state across the application, data sharing between components for consistent and centralized state management.
- Integrated the application with Supabase at the backend to create a new database, model the application state, and establish relationships between tables.
- Added Security policies RLS to enforce Data access control and leveraged Supabase's Authentication system for authorized hotel staff and Storage buckets for handling file uploads.
- Implemented client-side filtering and sorting of rooms, along with API-side filtering and sorting of bookings. Created reusable pagination components with API-side pagination and prefetching using React Query.
- Displayed booking statistics using the Recharts library to create line charts, pie charts, and other visualizations for insights on bookings, stays, and occupancy rates.
- Built a customer facing website using Next.js for server-side rendering, file-based routing, and server components, and using Tailwind CSS for styling and Supabase for database and API management.

Tata Consultancy Services, Mumbai

Dec 2021 – Feb 2023

Role: Assistant Systems Engineer Trainee

- Contributed to the development of retail E-commerce store features utilizing React, Redux, Firebase for a scalable and secure ecommerce platform.
- Enhanced the website's search engine ranking and user navigation experience by managing client-side routing using React router to handle rendering of the components based on URL changes without full page reloads for faster page transitions and improved page load times.
- Utilized Redux, state management library for managing global state data, easier sharing of data between components, strict data flow control and handling states.
- Improved consistency on the website with Redux, so that users can apply filters, sort, add product items without encountering inconsistent data.
- Efficiently handled asynchronous operations like fetching product data, processing payments, or updating user profiles without blocking the UI by implementing Redux saga to keep the code organized and handle the side effects of Redux and manage the flow of asynchronous code.
- Provided personalized experience to users by accessing and displaying user specific data using React Context to manage global state and props efficiently.
- Offered secure shopping experience for the users using Firebase for providing real-time data synchronization, scalable storage, secure authentication, and efficient hosting.
- Improved API performance significantly by implementing GraphQL for enabling efficient, precise data retrieval, handling increasing traffic and user demand, and providing real-time updates.
- Enhanced user engagement by providing a faster, more reliable, and app-like experience by converting the app into Progressive Web App (PWA).

- Identified and fixed bugs using Jest for writing and running unit tests, ensuring code reliability and robustness.
- Worked closely with senior developers to learn best practices in React development, code review, and version control using Git.

EDUCATION

Shri Vishnu Engineering College for Women, Bhimavaram

2017 – 2021

Specialized in Electrical and Electronics Engineering