

JAYASURIYA R

Front-End Developer | React | JavaScript | Redux | Python | SQL

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WORK EXPERIENCE

Accenture

Front-End Developer – (**React, SQL & TRIRIGA**)

Oct 2023 – Present

- Developed enterprise applications using **React.js** and **Material UI (MUI)** on top of the **IBM TRIRIGA** platform, building responsive, reusable UI components.
- Migrated legacy **Polymer.js** interfaces to **React.js**, improving performance and maintainability with up to **30% faster load times**.
- Handled **server-side configurations** in **TRIRIGA**, including creating tables, data associations, and exposing data sources as **REST APIs** for frontend integration.
- Collaborated with cross-functional teams in an **Agile environment**, contributing across the full development lifecycle and implementing **automated jobs and scheduled reports** to improve internal processes and data delivery

SKILLS

Languages: HTML, CSS, JavaScript, Python, SQL

Frontend: React.js, Redux, Tailwind CSS

Backend: Python, SQL Server

Tools & Platforms: GitHub, Firebase, Jest, Babel, VS Code

Testing & Deployment: Jest, Vercel

Cloud: Firebase

PROJECTS

Netflix-GPT -  | 

- **Developed a dynamic Netflix-style OTT platform** with **GPT integration** to deliver AI-driven movie recommendations tailored to user preferences and moods, enhancing user engagement and personalization.
- **Implemented Firebase Authentication and TMDB API integration** for secure, real-time access to user-specific content. Optimized component rendering with memoization and efficient API call management, reducing unnecessary **re-renders by 30%**.

- **Built using React.js, Redux Toolkit, Tailwind CSS and Firebase** achieving a **20% improvement in load times** while ensuring a responsive, scalable experience across devices.

YouTube Clone - |

- **Developed a YouTube-style video platform** using React.js, Redux and the YouTube Data API, featuring **dynamic video playback**, **metadata rendering**, and **category-based filtering** to deliver engaging user experience.
- **Implemented debounced search** with **result caching**, reducing API calls by **40%** and improving input responsiveness. Built a **live chat simulation** using **API polling** and memory management, along with an **N-level nested comment system** mimicking YouTube threads.
- **Optimized performance** through **memoization**, **conditional rendering** and modular component architecture, resulting in smoother UI interactions and reduced unnecessary re-renders.

Food Ordering APP - |

- **Developed a Front-End Swiggy clone** using React.js and Parcel, featuring dynamic restaurant listings, **real-time cart updates**, and individual restaurant menus via React Router's dynamic routing.
- **Implemented search and filter functionalities** to allow users to find restaurants by name or view top-rated options, improving user discoverability and navigation efficiency.
- **Enhanced user experience with a Shimmer UI loader** for smooth data-fetching visuals and used a **Higher-Order Component (HOC)** to dynamically tag promoted restaurants. Applied **modular, component-driven architecture** for code reusability, readability and scalability.

EDUCATION

PSG College of Technology – Coimbatore

Bachelor's Degree in Textile Technology | CGPA: 8.59

Jul 2019 – Apr 2023

CERTIFICATIONS

- **Hacker Rank:** Certified in Python, JavaScript, React, SQL
- **Udemy:** Certified .NET Developer