JAYASURIYA R

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

✉ jayasuryasurya933@mail.com | 📞 +91-6379673548 | 📍 India | in LinkedIn

WORK EXPERIENCE

Accenture

Software Developer – (.NET, React, SQL) | October 2023 – Present

- Developed and maintained enterprise-grade full stack web applications using ASP.NET and SQL Server on the backend. Contributed to the enhancement of a chemical ordering system by building new pages and features tailored to business-specific workflows, differing from traditional e-commerce models.
- Played a key role in an internal audit application focused on data validation, secure user access, and seamless submission of compliance reports to auditors.
- Migrated legacy Polymer.js-based frontends to a modern React.js architecture, significantly improving performance, UI responsiveness, and user experience.
- Worked on complex frontend-backend integrations during TRIRIGA migration projects, balancing Polymer component reuse with React modularization.
- Actively involved in frontend architecture modernization efforts, enhancing maintainability and reducing load times by up to 40%.

EDUCATION

PSG College of Technology - Coimbatore

Bachelor's Degree in Textile Technology | CGPA: 8.59   2019 - 2023

PROJECTS

Netflix-GPT Clone ↗

- Developed a dynamic **Netflix-style OTT platform** with **GPT integration** to provide AI-driven movie recommendations based on user preferences and moods.
- Integrated **Firebase Authentication** and the **TMDB API**, enhancing user-specific content delivery and ensuring secure, real-time data access.
- Optimized component rendering using **memoization** and efficient **API call management**, reducing unnecessary re-renders by **30%** and boosting app performance.

- Built with **React.js**, **Redux Toolkit**, **Tailwind CSS**, and **Firebase**, achieving **20% faster load times** and ensuring a scalable, responsive user experience across devices.

YouTube Clone ↗

- Developed a **YouTube-style video platform** using **React**, **Redux**, and **YouTube API**, featuring dynamic video playback, metadata display, and category-based filtering.
- Implemented **debounced search with result caching**, reducing unnecessary API calls by **40%** and significantly improving input responsiveness.
- Built a **live chat simulation** using API polling and memory management techniques and designed an **N-level nested comment system** mimicking YouTube threads.
- Optimized performance with **memoization**, conditional rendering, and structured component logic, resulting in **smoother UI interactions and reduced re-renders**.

Swiggy Clone ↗

- Developed a front-end Swiggy clone using **React and Parcel**, featuring dynamic restaurant listings, **real-time cart updates**, and individual restaurant menus via dynamic routing.
- Implemented **search and filter functionalities**, enabling users to find restaurants by name or filter top-rated options, enhancing user discoverability and navigation.
- Enhanced user experience with a **Shimmer UI loader** for smoother data-fetching visuals and used a **Higher Order Component** (HOC) to dynamically tag promoted restaurants.
- Followed a modular, component-driven architecture, applying modern React patterns to build scalable and maintainable UI, improving code reusability and readability.

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

CERTIFICATIONS & ACHIEVEMENTS

- **Hacker Rank**: Certified in Python, JavaScript, React, SQL
- **Udemy**: Certified .NET Developer
- **Portfolio**: Explore my projects & technical skills in action