# JAYASURIYA R

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## WORK EXPERIENCE

**Accenture**

Front-End Developer – React, JavaScript & IBM TRIRIGA                    Oct 2023 – Present

- Single-handedly developed and enhanced **enterprise-grade React applications** using React.js and **Material UI** on the IBM TRIRIGA platform, building responsive, reusable, and performance- optimized UI components, achieving **30% faster application performance** and load times.
- Migrated legacy Polymer.js applications to React.js, adding dynamic features such as floor plans, room grouping, and optimized search/filter functionality, **reducing load time by 20%** and significantly improving UX for internal users.
- Integrated **Microsoft cloud authentication** for secure user login, enhancing data security, simplifying user management, and ensuring organizational compliance.
- Configured and managed **server-side modules in TRIRIGA**, including table creation, data associations, and exposing data sources as **REST APIs** for seamless front-end & backend integration.

## SKILLS

**Languages**: JavaScript, Python, SQL
**Frontend**: React.js, Redux Toolkit, Tailwind CSS
**Backend**: Node.js, Express.js, MongoDB
**Tools & Platforms**: GitHub, Firebase, Jest, Babel, Post Man
**Testing & Deployment**: Jest, Vercel, Render
**AI & Integrations:** AI API Integration (Grok & OpenAI APIs), Prompt Engineering, ChatGPT, Claude

## PROJECTS

### DevLink - ◯ | ⬈

- Developed **DevLink**, a full-stack **MERN** platform focused on developer **networking with AI-driven growth and real-time collaboration**, addressing the gap between connection and skill development.
- Implemented a Tinder-style swipe and match system to help developers discover and connect for collaboration, learning, and project building.
- Integrated a personalized **AI mentor (Grok AI)** to analyze user skills, identify gaps, and generate actionable learning roadmaps.
- Built a **real-time one-to-one chat** system using **WebSockets** for seamless developer communication. Designed a skill-based tech news feed to deliver relevant industry updates based on the user's tech stack.
- Implemented **JWT-based authentication** and email notification services for connection requests and acceptances.

### 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.

## 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