JAYALAKSHMI

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SUMMARY

React Front-End Developer with 3+ years of experience in building dynamic, responsive single-page applications (SPAs). Skilled in React.js, Redux-Saga, and GraphQL, with a strong focus on modern UI/UX development and performance optimization. Experienced in writing clean, reusable, and testable code. Proficient in Agile methodologies and effective collaboration with cross-functional teams. Committed to continuous learning and keeping up with the latest front-end technologies.

WORK EXPERIENCE

React Front-End Developer, Inforios Software Technology   **Sep 2022 - Present**

- Spearheaded the migration of legacy JavaScript codebase to TypeScript, enhancing code maintainability and reducing bug occurrences by 15% across key application modules.
- Developed a reusable component library with React, promoting code consistency and accelerating the development of new features by 20% across engineering teams.
- Integrated Redux-Saga for effective state and side-effect management.
- Reduced network calls by 40% by implementing advanced caching and optimization using TanStack Query.
- Engineered a modular UI framework with Material-UI and Styled Components, decreasing front-end development time by 15% and improving cross-browser compatibility testing success.
- Orchestrated bi-weekly sprint planning sessions, accelerated code reviews via Github Actions, and validated code quality through rigorous Jest testing resulting in 10% fewer bugs released to production monthly.
- Collaborated with backend teams on API contracts and implemented authentication flows.

PROJECT EXPERIENCE

HR Management System (Internal Project)

- *Developed a web-based HR application* to manage employee profiles, work status, and salary information, enhancing administrative efficiency.
- *Designed and implemented user-friendly interfaces* using React.js, Redux, and Material-UI, improving usability and user engagement.
- *Implemented secure data handling practices* and *role-based access control (RBAC)* to ensure data privacy and compliance with organizational policies.

Resilient+ (Client Project - US Automotive Sector)
- *Developed interactive dashboards* to monitor supplier and part data, including associated risk metrics, enabling proactive supply chain risk management.
- *Utilized GraphQL and Apollo Client* for efficient data fetching and state management, ensuring seamless performance and scalability.
- *Designed intuitive data visualizations* and *implemented real-time alerts* to enhance visibility and responsiveness in supply chain operations.

EDUCATION

Master of Computer Applications   **July 2018 - May 2020**
SASTRA Deemed University
- Core subjects: Programming, Algorithms, Database Management, Networking, Web Technologies
- Specialized in: Java, Python, Web App Development
- Gained hands-on experience through multiple academic projects and internships

CERTIFICATION

Core Java
Anifos
- Completed an intensive 2-month course in Core Java, focusing on foundational programming
- concepts, object-oriented principles, and essential Java libraries.

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, HTML5, CSS3, Core Java
- **Frameworks & Libraries:** React.js, Redux, Redux-Saga, TanStack Query, Material-UI, Styled Components
- **Tools & Platforms:** Git, Jest
- **Methodologies & Practices: Agile/Scrum, Responsive Web Design, UI/UX Best Practices, Component-Driven Development**