

Viharika Ch

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SKILLS

Front End Skills: React, Redux, Javascript (ES5 & ES6), Express.js, Tailwind CSS, Node.js, Material UI, Bootstrap, HTML5, CSS

Tools: Putty, Mobaxterm, ThunderClient, Postman, WinSCP, Rundeck

Technical Skills: Linux, Jira, Confluence, GIT, SVN, REST API's, API Integration, CI/CD Basics

WORK EXPERIENCE

Front End Developer

Jun 2021 - Present

Tata Consultancy Services

Bengaluru, India

- Built dynamic, user-centric web applications by integrating third-party APIs (e.g., payment gateways, location services, and real-time data feeds), significantly improving application interactivity and functionality.
- Translated UI/UX designs into responsive, accessible web interfaces using React.js, HTML5, and CSS3, ensuring pixel-perfect layouts and seamless experiences across devices and browsers.
- Managed complex application state using Redux and Context API, enhancing component reusability, performance, and reducing redundant data fetching through efficient architectural patterns.
- Collaborated cross-functionally with backend teams to design and consume RESTful APIs, optimizing client-server communication and implementing secure, role-based authentication systems with third-party providers like OAuth and MS ADFS.
- Proactively participated in Agile ceremonies, contributed to code reviews, and maintained comprehensive documentation, supporting continuous integration, team collaboration, and faster onboarding of new developers.

PROJECTS

Fiber Network Connection Management System (TCS)

Oct 2023 - Present

- Led the development of a React.js and Redux-based application to manage and track fiber network connection requests, ensuring transparency from submission to delivery.
- Collaborated with stakeholders to translate complex workflows into intuitive, responsive UI using Bootstrap, enhancing user engagement across devices.
- Integrated Microsoft ADFS for secure single sign-on authentication, ensuring enterprise-level access control.
- Connected with RESTful APIs for real-time data updates and optimized front-end performance with code splitting and lazy loading, reducing page load times by 60%.
- Automated CI/CD pipelines with Jenkins for seamless deployment and maintained code quality through Git version control and thorough peer reviews.

Dealer Management System (TCS)

Jun 2021 - Sep 2023

- Developed a scalable front-end application to manage dealer profiles, transactions, and reporting dashboards, supporting internal business operations and partner management.
- Implemented Material UI components with custom theming for a professional and cohesive design system, ensuring usability and visual consistency across the platform.
- Leveraged Redux for predictable and centralized state management, enabling smooth handling of real-time transaction data and updates.
- Collaborated with stakeholders to implement UI enhancements based on evolving business needs and client feedback, improving overall system usability.
- Introduced pagination, caching, and virtualization techniques to handle multiple transaction records, boosting front-end performance by 500% and drastically reducing load and render times.
- Worked closely with back-end developers to integrate API endpoints supporting CRUD operations for dealer filtering, reporting, and bulk data actions, enhancing overall system capability.
- Ensured clean code practices, documentation, and codebase maintainability for easier onboarding and long-term support.

AWARDS

Service & Commitment Award by Tata Consultancy Services

Feb 2023

Recognized for exceptional contribution in providing seamless assistance during critical go-live phases of the Dealer Management System project, ensuring smooth deployment, minimizing downtime, and supporting rapid issue resolution. ([Link](#))

Best Team Award by Tata Consultancy Services

May 2022

Received for outstanding team performance in developing scalable front-end applications and maintaining high standards in coding and deployment processes. ([Link](#))

EDUCATION

Bachelor of Technology - Computer Science and Engineering

Jun 2017 - Jun 2021

GITAM University

GPA: 7.64