

Vignesh R

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Place : Trichy

Summary:

Front-End Developer with 2+ years of hands-on experience in designing and developing responsive, user-friendly web applications. Strong expertise in **React.js**, **HTML5**, **CSS/SCSS**, **Material UI**, and modern **JavaScript(ES6)**. Proficient in state management using **Redux** and **Context API**, and well-versed in utilizing **React Hooks**.

Experience and Projects:

FRONT-END DEVELOPER, VIVYA CORP, TRICHY

August 2023 - Jun 2025

Valiantt Info

Description: A comprehensive web-based application designed to automate and manage the background verification process of candidates.

- Developed a scalable web-based background verification system using **React.js**, **Redux**, **Context API**, **Material UI**, **Nivo Charts**, and **SCSS**.
- Built responsive dashboards and UI screens, ensuring cross-device compatibility and seamless UX.
- Designed a reusable **Material UI** table component and integrated **REST APIs** with efficient global state management.
- Implemented unit, integration, and end-to-end testing, while applying **code splitting**, **lazy loading**, and memorization to boost performance.
- Contributed to **front-end architecture**, project documentation, and sprint discussions, ensuring best practices across the Admin Panel and Vendor Application.
- Developed the Login Module using following the **BEM (Block Element Modifier)** methodology for scalable and maintainable class naming.
- Built a **custom hook** to abstract and centralize on Change event handlers, reducing repetitive code and improving form state management across the project.

Vivya Hire (ATS)

A web-based Applicant Tracking System designed to manage and streamline the entire recruitment lifecycle. The platform allows HR teams to post jobs, track applications, manage candidate workflows, and collaborate efficiently throughout the hiring process.

Technologies: **JavaScript**, **React.js**, **HTML5**, **CSS/SCSS**, **Material UI**

- Collaborated with backend and UI/UX teams to design efficient APIs and deliver responsive, user-friendly interfaces.
- Developed reusable UI components with **React.js** and **Material UI**, ensuring consistency and faster development.
- Integrated **RESTful APIs** via **Axios** and managed complex application state using **Redux**.
- Created a custom hook for **debouncing** and **throttling**, improving performance in real-time search and frequent user events.
- Ensured **responsiveness** and **cross-browser compatibility** for the login interface using **media queries** and clean component structure.
- Developed custom reusable input field components supporting multiple input types (text, password, etc.) and built fully custom single-select and multi-select dropdowns without using the default `<select />` tag, ensuring consistency, reusability, complete styling control, and accessibility across the application.

JCM

A web-based political party application built to manage member registrations, event coordination, campaign tracking, and communication, ensuring seamless interaction between administrators, party workers, and members.

- Developed a political party management application for members, events, and campaigns using **React.js, React Native, HTML5, CSS/SCSS**.
- Implemented **token-based authentication (JWT)** and created a custom hook for API triggering, ensuring secure and reusable API calls across the application.
- Built **custom tables, reusable components**, and a bar chart without external libraries, alongside responsive dashboards.
- Worked on both **Admin Panel** and **Mobile Application**, leveraging **Context API** for **master APIs** and focusing on clean, scalable code.

MAQ Scanner

A web-based e-lottery application for scanning and selling lottery tickets, managing allocation to stockists and retailers, and tracking sold/unsold tickets across multiple lotteries. Includes an Admin Panel for ticket allocation, monitoring, and overall management.

- Fixed critical bugs and stabilized core modules, ensuring smoother end-user experience.
- Implemented lazy loading and code splitting to improve application load time and responsiveness.
- Utilized `useMemo`, `useCallback`, and Higher Order Components (HOCs) to reduce unnecessary re-renders and optimize UI performance.
- Refactored components and applied code optimization techniques, making the codebase more maintainable.
- Implemented Redux for efficient global state management and predictable data flow across the app.
- Reduced multiple API calls and improved API response handling, enhancing performance across web and mobile.
- Applied performance monitoring and debugging tools to identify bottlenecks and streamline execution.

SKILLS

- **Programming Languages:** JavaScript
- **Front-End Development:** React.js, React Native, Next.js HTML5, CSS/SCSS
- **State Management:** Redux, Context API
- **External Libraries:** Material UI, Nivo
- **API Development Tools :** Swagger, Postman.
- **Version Control:** Git, GitHub
- **Testing Tool:** Jest, RTL.
- **Cloud Platform:** AWS

EDUCATION

Bannari Amman Institute of Technology, Erode
Bachelor of Computer Science and Engineering

2018 - 2022
CGPA - 7.3/10

Chellamal Matriculation Higher Secondary School, Trichy
HSC

2017 - 2018
Percentage - 92%