

Muthuraj Chelladurai

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Professional Summary

Software Engineer with **3 years and 2 months of experience** in **front-end development**, along with a prior background of 2 years in mechanical engineering, **totaling 5 years and 2 months of overall work experience**. Proficient in **React.js, Vite, GraphQL**, and **state management (Redux, Context API)**, with expertise in building scalable, high-performance web applications. Recently developed a fully automated, dynamic **IoT admin dashboard** with real-time data visualization using **GraphQL**, similar to **Facebook's dashboard**. Aspiring **MERN stack** developer, currently expanding skills in **Node.js** and **MongoDB**.


Professional Experience:

Front-End Developer | Milanity Innovation Pvt Ltd, Chennai

 January 2023 – Present


- ★ Developed a real-time IoT web application for device monitoring, improving performance by 30% using React.js, GraphQL, and Vite.
- ★ Built and optimized interactive dashboards for tracking device status, alerts, and analytics.
- ★ Integrated Google Maps API for location-based tracking, reducing page load time by 40% through lazy loading and code splitting.
- ★ Improved API efficiency by reducing redundant GraphQL requests by 25% for faster data retrieval.
- ★ Collaborated with backend teams to streamline GraphQL data management workflows.
- ★ Currently working on a fully automated IoT admin dashboard designed for real-time device data visualization.
- ★ The dashboard is fully dynamic, with user-friendly navigation similar to Facebook's interface, and fetched data using GraphQL.
- ★ Implemented lazy loading and performance optimizations to enhance data fetching and visualization.

Junior Front-End Developer | Fabevy Technology, Chennai

 January 2022 – December 2022

- ★ Developed interactive **UI components** using **React.js, JavaScript (ES6+), HTML5, and CSS3**.
- ★ Refactored reusable **components**, improving development speed by **20%**.
- ★ Integrated **RESTful APIs** to fetch and display data dynamically, enhancing **page responsiveness**.
- ★ Worked closely with senior developers to **debug and optimize front-end performance**.

Other Experience: Engineering Process Supervisor | Arumuga Groups of Industrial, Puliyaugudi

 January 2019 – December 2020

- ★ Optimized manufacturing processes, ensuring efficiency and high-quality output.
- ★ Led a team, improving production workflow by 15%.
- ★ Enhanced problem-solving and analytical skills, now applied to software development.
- ★ Managed quality control, ensuring compliance with industry standards.

Core Skills & Competencies

Front-End Development: React.js, TypeScript, JavaScript (ES6+), Vite, HTML5, CSS3, Bootstrap, Tailwind CSS

Back-End Technologies: Node.js, MongoDB (Learning)

API Integration: GraphQL, RESTful APIs, JSON

State Management: Redux, Context API

Performance Optimization: Lazy Loading, Code Splitting, Webpack


Object-Oriented Programming (OOP): JavaScript OOP principles

Version Control: Git, GitHub

Development Tools: VS Code, Postman, Figma, NPM

Additional Skills: Process Optimization, Team Leadership, Problem-Solving

Education

 June 2014 – May 2018

 **Bachelor of Engineering** (Mechanical Engineering)

 Thamirabharani Engineering College, Anna University, Tirunelveli.