

**MURUGADASS M**

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## PROFESSIONAL SUMMARY

Results-driven **MERN - Stack Developer** with **1+ years of professional experience** in building scalable, high-performance web applications. Strong expertise in developing modern, responsive user interfaces using **React.js, Redux, Next.Js** and **Tailwind CSS**, along with seamless integration of **RESTful APIs**. Hands-on experience in backend development using **Node.js, Express.js, and NestJS**, with solid knowledge of database management using **MongoDB, Supabase** and **MySQL**. Proficient in optimising application performance, implementing reusable component architectures, and collaborating effectively with cross-functional teams. Passionate about clean code, best practices, and continuously upgrading skills to deliver reliable, business-focused digital solutions.

## EXPERIENCE SUMMARY

- **Frontend Development:** Strong proficiency in building scalable and responsive user interfaces using **ReactJS, Redux, NextJS** and modern CSS frameworks such as **Tailwind CSS**.
- **State Management:** Experienced in managing complex application states efficiently using **Redux Toolkit** and **Context API**, ensuring predictable data flow and maintainable code.
- **Performance Optimization:** Skilled in debugging, optimizing, and enhancing web application performance to improve load times, responsiveness, and overall user experience.
- **API Integration:** Proficient in integrating and consuming **RESTful APIs**, handling asynchronous data flows, authentication, and error management effectively.
- **Backend Development:** Hands-on experience with **Node.js, Express.js, and NestJS** to build scalable, secure, and efficient server-side applications.
- **Database Management:** Experienced in working with both **MongoDB, Supabase** and **MySQL**, including data modeling, querying, and optimizing database performance.
- **Version Control & Collaboration:** Advanced knowledge of **Git** for version control, code reviews, branching strategies, and collaborative development in agile teams.
- **Testing:** Experienced in both **manual** testing and **automated** testing using **Playwright** — creating test scripts, validating UI flows, identifying defects, and ensuring application reliability across releases.

## EDUCATION

Bachelor of Engineering in Electronics and Communication- Mar 2020

IFET College of Engineering & Technology

## SKILLS PROFILE

- **Programming Languages** : JavaScript (ES6+), TypeScript
- **Frontend Technologies** : ReactJS, Redux, Redux Toolkit, Next.js, Tailwind, HTML5, CSS3
- **Backend Technologies** : Node.js, Express.js, NestJS
- **APIs & Integration** : RESTful APIs, Authentication, API Consumption
- **Databases** : MongoDB, MySQL, Supabase
- **Version Control** : Git, GitHub
- **Package Managers** : npm
- **Development Tools** : Visual Studio Code, Cursor, Windsurf, Bolt AI
- **Operating System** : Windows
- **Testing** : Manual and Playwright (Automation)
- **Deployment & Cloud** : AWS (Basic exposure), Environment configuration (.env), Build & deployment workflows

## Full-Stack Developer

React JS Developer, Vcode Wonders, Pondicherry

November 14, 2024 – Present

## CAREER PROFILE

### ProvenPro

**Technologies:** ReactJS, Redux, Twilio, MySQL, AWS, Python

**Role:** ReactJS Developer | **Duration:** 7 Months (Present)

#### Project Description:

ProvenPro is a professional platform designed to connect clients, recruiters, and freelancers. The platform enables profile discovery, real-time communication, and enquiry-based engagement, allowing recruiters to interact seamlessly with freelancers and manage hiring-related conversations efficiently.

#### Key Contributions:

- Designed and developed interactive and responsive UI components for freelancer profiles using ReactJS and Tailwind CSS, improving usability and visual consistency.
- Implemented state management using Redux to handle complex application states and ensure smooth data flow across components.
- Integrated Twilio Conversations API to enable real-time chat functionality between recruiters and freelancers, including message history and notifications.
- Worked closely with backend APIs to fetch and display dynamic profile data, enquiries, and chat conversations.

**Project Link:** <https://www.provenpro.net/>

### WorkSphere

**Technologies:** ReactJS, Redux, Tailwind CSS, Supabase, NestJS

**Role:** MERN Stack Developer | **Duration:** 5 Months (Present)

#### Project Description:

WorkSphere is a full-stack productivity and communication management platform designed to centralize user workflows across Gmail, Microsoft services, and multiple social media platforms. The application streamlines communication, task management, and collaboration within a single unified system. It was developed using the MERN stack with a strong focus on performance, scalability, and user experience.

### **Key Contributions:**

- Developed and optimized the frontend using ReactJS, Redux, and Tailwind CSS to deliver a responsive and intuitive user interface.
- Built reusable and scalable React components to ensure consistent UI and faster development.
- Implemented Redux for efficient state management across complex application flows.
- Integrated RESTful APIs to enable real-time data synchronization and seamless user interactions.
- Collaborated on backend integration using NestJS and Supabase to support secure and scalable data handling.
- Applied performance optimization techniques to reduce page load times and improve overall application responsiveness.
- Worked end-to-end on both frontend and backend modules, contributing to core features and system stability.

**Project Link:** <https://myworksphere.com/>

## **CodelessIQ**

**Technologies:** ReactJS, Redux, NestJS, MongoDB, Python, Google Gemini AI

**Role:** MERN Stack Developer | **Duration:** 3 Months (Present)

### **Project Description:**

CodelessIQ is an AI-powered digital solution platform designed to help startups, small businesses, and individuals quickly transform ideas into fully functional web applications. The platform enables users to generate frontend and backend project structures, database schemas, and application logic using AI-driven prompts. Built with scalability and performance in mind, CodelessIQ delivers responsive, user-friendly, and future-ready solutions tailored to diverse business needs.

### **Key Contributions:**

- Developed intuitive and responsive frontend interfaces using ReactJS, Redux, and modern UI practices to ensure a seamless user experience.
- Integrated Google Gemini AI to power intelligent prompt-based project generation, improving development speed and accuracy.
- Collaborated with backend services built using NestJS and MongoDB to enable secure, scalable, and high-performance APIs.
- Implemented reusable and modular React components to maintain consistency and improve development efficiency.
- Contributed to building a scalable and future-ready architecture capable of supporting AI-driven enhancements and feature expansion.

## School Management ERP System

**Technologies:** Next JS, Golang, MySQL, AWS

**Role:** Next JS Developer | **Duration:** 5 Months (Present)

### Project Description:

A comprehensive School Management ERP system designed to streamline academic, administrative, and financial operations within schools. The system supports role-based access for Admins, Teachers, Students, and Parents, making everyday school operations efficient and digital.

### Modules Included:

Dashboard, Student Management, Staff Management, Attendance, Exams & Results, Timetable, Fee Management, Accounts & Finance, Library, Transport, Hostel, Inventory, Admission, Parent Portal, LMS, Communication, Settings & Master Data.

### Key Contributions:

- Developed responsive UI components using Next.js and modern UI best practices.
- Worked with APIs developed in Golang, ensuring smooth data flow between frontend and backend.
- Implemented role-based UI features for admin, student, teacher, and parent portals.
- Assisted in integrating MySQL database operations for CRUD-based modules.
- Contributed to improving usability, navigation, and performance.