

Senthilnathan R

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Summary

Full Stack **MERN Developer** with experience building scalable web applications, **RESTful APIs**, and reusable UI component systems. Proficient in **React.js**, **Node.js**, **MongoDB**, and modern **JavaScript (ES6+)** with a focus on **performance optimization** and developer productivity tools.

Technical Skills

- **Languages:** JavaScript (ES6+), TypeScript, Python, SQL, HTML5, CSS3
- **Frontend:** React.js, Redux, Tailwind CSS, Responsive Design, Component-Based Architecture
- **Backend:** Node.js, Express.js, REST API Design, JWT Authentication, API Integration
- **Databases:** MongoDB, MySQL | **Tools:** Git, GitHub, Postman, VS Code, Docker, CI/CD
- **Development Practices:** Agile Development, Git Workflow, Performance Optimization

Projects

ComponentHub – Reusable UI Component Platform

MERN Stack

github.com/senthilnathan-2004/ComponentHub

- Engineered a dynamic rendering engine using **React state management** enabling live component previews and real time style customization.
- Implemented an automated code export feature allowing developers to instantly integrate production ready responsive snippets.
- Built reusable UI components using **React**, **Tailwind CSS**, and modern component architecture.
- Optimized frontend rendering using **performance optimization** techniques for faster component loading.
- Implemented scalable architecture following **Git workflow** and modular development practices.

MERN Stack Meatshop Online Application

MERN Stack

github.com/senthilnathan-2004/meatshop

- Integrated secure authentication using **JWT** and password hashing to protect user data and manage protected routes.
- Engineered scalable **RESTful APIs** using Node.js and Express for product management, user sessions, and order handling.
- Built an interactive **React** frontend with category filtering, search functionality, and a persistent shopping cart using Local Storage.
- Developed **RESTful APIs** and handled **API integration** between frontend and backend services.
- Designed scalable architecture following **Agile development principles** and modular backend design.

Technical Concepts

- RESTful API Design, RBAC
- Authentication & Authorization (JWT)
- MVC Architecture, 2FA
- Real-time Communication (Socket.io)
- API Integration, Web Security Concepts
- Performance Optimization

Certifications

- MongoDB for Developers – MongoDB University
- Idea Presentation – College Innovation Event

Education

Anand Institute of Higher Technology, Chennai

Bachelor of Engineering in Computer Science and Engineering

2022–2026

CGPA: 8.2 / 10