Satheshkumar V MERN Stack Developer

Coimbatore

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Profile

Passionate and highly skilled Full stack Developer with 2.5 years of experirnce and comprehensive knowledge in front-end and back-end technologies, including HTML5, CSS3, JavaScript, Node.js and Express.js. Possesses strong problem-solving capabilities and adaptability to new technologies. Demonstrated team leadership capabilities and an ability to work effectively both independently and as part of cross-functional teams.

Skills

HTML5 | CSS3 | Javascript(ES6+) | React.js | Node.js | Express.js | RestAPI | Bootstrap | Git & Github | Redux Toolkit | MongoDB | Npm | Webpack | React Testing Library | Python | FastAPI | Prompt Engineering | LangChain | Agentic AI | n8n

Professional Experience

SNS iHub (Product-Based Company)

08/2024 - 07/2025 | Coimbatore

MERN stack developer

Project 1: OKRion - AI-Powered Task Management Platform (MERN Stack) ∂

- Led backend architecture & API development using Node.js + Express for scalable OKR automation.
- Integrated REST APIs with React frontend, automating 50%+ OKR workflows and boosting performance.
- Managed MongoDB databases in production with zero-downtime updates & performance tuning.
- Handled data migrations, ensuring integrity across environments.
- Supported FastAPI-based microservices for Python system integration and debugging.
- Led code reviews, architecture validation, and CI/CD branching strategies.
- Mentored junior devs on API design, DB modeling, and clean backend practices.

Cloud & DevOps (AWS)

- Dockerized backend services and deployed via Amazon ECS for high availability.
- Set up AWS Lambda + CloudWatch for automated scheduled backend tasks.
- Managed secure file storage with AWS S3, access policies, and lifecycle rules.

Project 2: NAAC OKRion - Accreditation Management Platform for Colleges (MERN Stack) &

- Led backend team through requirement analysis, sprint planning, and full-cycle development.
- Designed backend architecture, DB schemas, and REST APIs aligned with business and frontend needs.
- Optimized MongoDB for large academic datasets using indexing, aggregation, and schema validation.
- Handled data migration of historical accreditation records with zero data loss.
- Managed CI/CD pipelines and AWS-based deployments for smooth production updates.
- Conducted code reviews, enforced clean practices, and ensured test coverage.
- Led technical documentation and knowledge-sharing to drive backend team alignment.

Operational Executive (Test Analyst)

Project: Debit Card Management Project

- Worked on Manual and Automation Testing for Debit Card Management project.
- Executed test cases, defect tracking, and coordinated with developers for bug resolutions.
- Prepared system and regression testing reports and maintained client communication.

Personal Projects

Crowd Solve (MERN Stack)

Key Technologies: React.js, Node.js, Express.js, MongoDB, Python (FastAPI)

Overview: Developed a full-stack platform for posting real-world challenges, collaborative solution threads, and Al-powered task generation and tracking.

Objective: Enable structured discussion, solution mapping, and automated task tracking for posted problems.

Outcome: Built and deployed a MERN + FastAPI-based system with interactive UI, REST API integration, and AI agents for task breakdown and management.

User List Management (MERN Stack) ∂

Key Technologies: React.js, Redux, Redux-Thunk, REST API

Overview: Built a single-page application (SPA) with multiple routes for managing users via API integration and centralized state using Redux.

Objective: Create an interactive UI for listing, viewing, adding, and updating users with seamless routing and state management.

Outcome: Developed a modular, route-based user management app using Redux for state and Thunk for async operations.

Education

Dr. SNS Rajalakshmi College of Arts & Science MCA	09/2022 - 07/2024 Coimbatore
Dr. SNS Rajalakshmi College of Arts & Science B.Sc., Mathematics with Computer Application	06/2018 - 05/2021 Coimbatore