

MOHAMMAD SYED

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SUMMARY

MERN Stack Developer with 3+ years of experience building scalable, end-to-end web applications using MongoDB, Express.js, React.js, and Node.js. Experienced in designing RESTful APIs, managing application state, implementing authentication, and building performant frontend interfaces. Strong understanding of async workflows, database interactions, and production-ready application architecture.

PROJECTS

API Chaos Tester — Full-Stack Reliability Testing Tool

[Code](#) | [Live](#)

- Built a MERN-based application to simulate API failures (latency, HTTP errors, offline states) to validate frontend and backend resilience.
- Developed RESTful APIs using Node.js and Express.js to configure and trigger failure scenarios.
- Implemented React Hooks and Redux to manage complex async UI states such as loading, retries, and error recovery.
- Improved system reliability by preventing race conditions using AbortController and structured request lifecycle handling.
- Enabled client-side log export (JSON/CSV) for debugging and analysis.

TECHNICAL SKILLS

Frontend: React.js, React Hooks, JavaScript (ES6+), HTML5, CSS3, Redux, Context API

Backend: Node.js, Express.js, REST APIs, Middleware, Authentication (JWT)

Database: MongoDB, PostgreSQL (basic), SQL

Async & Performance: async/await, Promises, AbortController, Performance Optimization

Testing: Unit Testing (Jasmine)

Tools: Git, Netlify, Postman

Others: Next.js, Lit.js

WORK EXPERIENCE

Software Engineer — Ignitarium Technology Solutions

Aug 2022 – Jun 2024

- Developed and maintained full-stack features using React.js on the frontend and Node.js/Express on the backend.
- Designed and integrated RESTful APIs supporting real-time data processing and visualization.
- Implemented middleware for request validation and centralized error handling, improving API consistency.
- Integrated frontend applications with backend services, handling authentication, async workflows, and error scenarios.
- Improved application reliability and maintainability through unit testing and modular architecture.

Associate Software Engineer — Ignitarium Technology Solutions

Aug 2021 –

Aug 2022

- Built reusable frontend components and integrated them with backend APIs in a production environment.
- Optimized API consumption and UI responsiveness using async/await and efficient state management.
- Collaborated with backend and QA teams to deliver scalable features across 15,000+ active job sites.
- Contributed to Agile development practices, including sprint planning, reviews, and code reviews.

EDUCATION

Bachelor of Engineering — Electronics & Instrumentation

Sathyabama Institute of Science and Technology

2014–2018

ADDITIONAL EXPERIENCE

Graduate Engineering Apprentice – Hindustan Unilever Ltd | Engineer Trainee – Sri Ramadas Paper Boards

Early career experience in technical documentation, system monitoring, and cross-team coordination.

ACHIEVEMENTS

Key contributor to achieving the “Best Team of the Quarter” award for performance, collaboration, and delivery excellence.