

ASAD PATNI

MERN Stack Developer

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PROFESSIONAL SUMMARY

MERN Stack Developer with 3+ years of experience building and shipping full-stack web applications using MongoDB, Express.js, React.js, Next.js, and Node.js. Launched 4 production platforms end-to-end, from MongoDB/MySQL/PostgreSQL schema design to REST API development and responsive React.js/TypeScript front ends. Hands-on with Redux Toolkit, React Query, Tailwind CSS, Material UI, and Ant Design for scalable, component-based UI architecture, and with JWT authentication and Role-Based Access Control (RBAC) for secure, multi-role systems. Comfortable owning the complete development lifecycle in Agile/Scrum teams, partnering with design, backend, and QA to ship clean, tested, maintainable code on schedule.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3

Frontend: React.js, Next.js, Redux, Redux Toolkit, React Query, Formik, Tailwind CSS, Material UI (MUI), Ant Design, Bootstrap, React-Bootstrap, Carbon Design System

Backend: Node.js, Express.js, REST API Development, JWT Authentication, Middleware, RBAC, Supabase

Databases: MongoDB, MySQL, PostgreSQL

Tools and Build: Vite, Webpack, Git, GitHub, Postman, VS Code, GitHub Copilot

Architecture: MERN Stack, Component-Based Architecture, Feature-Sliced Design (FSD), Monorepo, REST API Integration

Performance and Quality: Lazy Loading, Code Splitting, Memoization, Responsive Design, Cross-Browser Compatibility

Collaboration: Agile, Scrum, Cross-Functional Collaboration, Problem-Solving, Attention to Detail, Communication

PROFESSIONAL EXPERIENCE

Software Engineer, Peerbits

March 2023 – Present

Ahmedabad, India

- Engineered full-stack enterprise features across 2 data stores (MongoDB and MySQL) using the MERN stack, TypeScript, and Redux Toolkit, keeping data models scalable across concurrent enterprise workflows.
- Implemented secure RESTful APIs and optimized schema design across 2 database engines (MongoDB and MySQL) in Node.js and Express.js, strengthening data integrity and enabling reliable frontend-to-backend data exchange.
- Standardized reusable React.js UI components across 3 design systems (Tailwind CSS, Material UI, and Ant Design) and centralized state management with Redux Toolkit, boosting UI consistency and cutting redundant network calls across the application.
- Applied 3 performance techniques — lazy loading, code splitting, and memoization — to cut page load times and sharpen the end-user experience.
- Debugged and resolved issues across the 5-technology MERN and TypeScript stack (MongoDB, Express.js, React.js, Node.js, TypeScript), reducing recurring defects in production features.
- Participated in peer code reviews and worked alongside designers, backend engineers, and QA testers within sprint cycles, strengthening code quality and keeping releases on track.

KEY PROJECTS

Mafuta — Fuel Delivery Management System (Full-Stack MERN)

Technologies: MongoDB, Express.js, React.js, Node.js, Redux, TypeScript, React-Bootstrap

- Architected the Mafuta platform end-to-end as sole MERN developer, building both the Node.js/Express.js backend API and the React.js frontend from scratch.
- Modeled 4 core MongoDB schemas with Mongoose ODM — users, fuel orders, transactions, and pricing — supporting real-time data across all modules.

- Constructed a RESTful API managing the full order lifecycle: buyer requests, OMC offer matching, negotiation, acceptance, and commission processing.
- Implemented JWT authentication and Role-Based Access Control (RBAC) to secure access for 3 distinct user roles: buyers, suppliers, and administrators.
- Developed a multi-step React.js order workflow covering truck assignment, proforma generation, and invoicing, strengthening order-processing accuracy.
- Automated gross-profit calculations and financial reporting to give all stakeholder roles full transaction transparency.

Mitsui — Enterprise Sales and HRMS Application

Technologies: React.js, Redux Toolkit, TypeScript, Chart.js

- Delivered Sales and HRMS panels for Mitsui Chemicals, supporting real-time workflows across multiple enterprise departments.
- Created 4 dynamic Chart.js dashboards — Company, Division, Top 5 Customers, and Profit Center — to streamline reporting and surface business insights.
- Streamlined data entry by building 4 CSV upload modules (Quartile Range, Purchase, Sales, and Damage Stock), reducing manual data-entry effort.
- Rolled out 6 core HRMS features: Employee Management (CRUD), Leave Tracking, Attendance Monitoring, a Ticketing System, Email Templates, and personalized Employee Dashboards.

GEMS FX — Forex Learning and Resource Sharing Platform

Technologies: React.js, Redux, TypeScript, Bootstrap, Tauri

- Built a full-featured web platform for forex traders to access learning resources, share strategies, and track market insights across 3 skill levels — beginner, intermediate, and advanced.
- Shipped GEMS-FX WinPanel, a cross-platform desktop application using React.js and Tauri, delivering a native-like experience while streamlining development through a shared codebase.
- Applied Role-Based Access Control (RBAC) to differentiate content access by user role, boosting content relevance and user engagement.

GEOINTELX — Geospatial Intelligence and Advanced Search Platform

Technologies: React.js, Redux, TypeScript, Material UI (MUI), Mapbox GL

- Engineered an advanced geospatial intelligence platform for searching, filtering, and analyzing large repositories of geological documents using multi-criteria filters.
- Integrated Mapbox GL for interactive geospatial data visualization alongside a document viewer, saved searches, and real-time notifications.
- Built reusable, Mapbox-GL-integrated React.js components to strengthen code maintainability and speed up future feature development.

EDUCATION

Bachelor of Engineering

Sal Institute of Technology and Engineering Research, Ahmedabad, India

CGPA: 7.47 | 2018 – 2021