SAURABH DHUMANE

Full Stack MERN Developer | React.js · Node.js · Express.js · Mongo DB

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PROFESSIONAL SUMMARY

Full Stack MERN Developer with **3.5+ years** of experience designing, building, and deploying scalable, secure, and high-performance web and mobile applications using **MongoDB, Express.js, React.js, Node.js, and React Native**. Skilled in **RESTful API design, microservices architecture, JWT-based authentication, and database optimization**, with hands-on delivery of enterprise-grade solutions across insurance, e-commerce, and AI-driven product domains. Strong command of **clean code practices, reusable component architecture, and CI/CD-driven Agile delivery**. Proven track record of improving application performance, reducing API response times, and shipping production-ready features with minimal downtime.

TECHNICAL SKILLS

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

Frontend: React.js, React Native, Redux, Context API, React Hooks, Tailwind CSS, Bootstrap, Responsive UI

Backend: Node.js, Express.js, RESTful APIs, JWT Authentication, Middleware, Microservices, MVC Architecture

Databases: MongoDB, Mongoose, PostgreSQL, SQL Server, Schema Design, Query Optimization, Indexing

Cloud & DevOps: AWS (EC2, S3), Docker, Linux Server Administration, VPS Deployment (DigitalOcean), Nginx

Tools & Practices: Git, GitHub, Postman, VS Code, REST API Testing, Code Reviews, Unit Testing

Methodologies: Agile, Scrum, SDLC, Sprint Planning, CI/CD, SOLID Principles, Test-Driven Mindset

PROFESSIONAL EXPERIENCE

Full Stack MERN Developer | **Technorebel Solutions Pvt. Ltd., Pune** *Aug 2022 – Present*

- Architected and delivered **scalable full-stack web and mobile applications** using the MERN stack and React Native, powering company websites, e-commerce platforms, and AI-driven products with maintainable, modular code.
- Designed and built **dynamic admin and user dashboards** with React Hooks, reusable components, and Tailwind CSS, improving UI consistency and boosting front-end responsiveness across modules.
- Engineered **secure authentication and authorization** with JWT and middleware-based route protection, enforcing role-based access control across all application layers.
- Optimized **MongoDB queries and backend logic**, reducing response times on high-traffic pages and improving overall application throughput under load.
- Developed and consumed **RESTful APIs and microservices**, enabling clean separation of concerns, easier scaling, and reliable integration across services.
- Collaborated cross-functionally with **UI/UX designers, QA engineers, and DevOps teams** to ship production-ready features and support smooth, low-downtime deployments via Git-based workflows.

KEY PROJECTS

Nopelt — AI-Powered Conversation Assistant — *Mobile App + Backend*

Mobile platform that generates context-aware smart replies for real-life and social conversations using scenario-based AI responses.

- Built **RESTful APIs with Node.js and Express.js** to manage scenarios, generated replies, and user interaction data with a modular controller–route–middleware architecture.
- Structured **MongoDB collections** for scenarios, response templates, user activity, and analytics tracking, optimized for fast retrieval.
- Developed the cross-platform mobile app in **React Native**, letting users browse scenarios and generate instant, AI-driven replies.
- Implemented **AI-powered response generation logic** to dynamically produce contextual replies, and integrated **OneSignal push notifications** for trending scenarios and updates.
- Secured backend endpoints with **JWT authentication** and improved API performance through efficient request handling and structured queries.

Tech Stack: *React Native, Node.js, Express.js, MongoDB, JWT, REST APIs, OneSignal, Git*

Digital Insurance Management System — *Full-Stack Web Application*

Enterprise web platform streamlining insurance policy management, claims processing, and customer onboarding with operational analytics.

- Developed a **scalable MERN-stack application** with secure REST APIs for policy management, claims processing, and user data handling.
- Built a **dynamic admin dashboard** with analytics and reporting in React.js, and implemented **role-based authentication** using JWT.
- Optimized **MongoDB queries** to handle large datasets efficiently and added robust form validation and error handling.
- Deployed on **AWS EC2 with S3** for scalable hosting and reliable file storage.

Tech Stack: *React.js, Node.js, Express.js, MongoDB, JWT, AWS (EC2, S3), REST APIs, Git*

E-Commerce Platform with Admin Dashboard — *Full-Stack Web Application*

Full-featured commerce platform for product browsing, cart, and order management with an admin panel for inventory and sales insights.

- Built a **responsive React.js + Tailwind CSS frontend** and backend APIs for product, order, and user management with Node.js and Express.js.
- Implemented **shopping cart and order-processing workflows**, secure JWT authentication, and well-structured MongoDB schemas for products, users, and orders.
- Developed an **admin dashboard** for inventory and order tracking, and improved performance through **API optimization and lazy loading**.

Tech Stack: *React.js, Node.js, Express.js, MongoDB, Tailwind CSS, JWT, REST APIs, Git*

EDUCATION

Bachelor of Engineering — Computer Science & Engineering

Rashtrasant Tukadoji Maharaj Nagpur University