Sure Narendra

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EDUCATION

Bachelor of Technology
Sri Venkateswara College Of Engineering & Technology

12/2021 – 05/2024
Chittoor, India

PROFESSIONAL EXPERIENCE

Backend Developer (NestJS, PostgreSQL)-INTERN
SoftxAI Technology Private Limited - Software & AI Solutions-(onsite)

07/2025 – 10/2025
Hyderabad

- Migrated existing Python APIs to **NestJS**, improving maintainability and performance.
- Optimized backend by integrating **Fastify** as the HTTP adapter in NestJS, achieving a **78% reduction in image payload size**, **50% faster API response times**, and **2× improvement in request handling capacity** through caching, compression, and concurrency management.
- Implemented **multi-stage Docker builds**, reducing image size and improving deployment efficiency.
- Performed **load testing using Locust** and **unit testing with Jest**, ensuring high performance and reliability under production traffic.
- Built and published private **validation packages** using DTOs and **Zod schemas** for consistent request and response validation.
- Developed controller logic to strictly enforce response structures, preventing unauthorized data format bypass.
- Utilized **PostgreSQL with raw queries** for fast and efficient data manipulation.
- Followed clean architecture principles by separating concerns between **controllers**, **services**, and **repository layers**.
- Maintained code quality through **ESLint** configuration and resolved code issues.
- Used **Git and GitLab** for version control with proper branching and PR review processes.

SKILLS

FRONTEND
- HTML5, CSS3, JavaScript (ES6+), React.js,Bootstrap ,Typescrpit
- Responsive and accessible web development
- React Router, Context API, Hooks

BACKEND
- Node.js, Nest.js,Express.js, MongoDB, Mongoose
- RESTful API development, Authentication (JWT, bcrypt)
- postgresql,PgAdmin

TOOLS & VERSION CONTROL
- Git, GitHub,GitLab, VS Code, Postman
- Deployment (Netlify, Vercel, Render)

PROJECTS

E-COMMERCE 🔗
- Established and deployed a fully functional e-commerce website using React JS, MongoDB, Express JS, and Node JS, improving user experience and enabling over 100 users to explore and purchase products.
- Integrated Stripe and Razorpay payment gateways, allowing users to make payments online or via Cash on Delivery (COD), resulting in a 20% increase in online payment transactions.
- Established user authentication and authorization using JWT for secure login and order processing, ensuring 99.9% secure transactions.
- Designed and Produced an admin dashboard for managing over 300 products, enabling the admin to perform CRUD operations and review 100+ orders.
- Utilized MongoDB for scalable data storage, ensuring smooth data management and handling of over 1TB of user and product data.

FRONTEND-REAL-ESTATE 🔗
- A responsive real estate website using React JS and CSS, optimizing user experience across desktop and mobile devices, with over 95% mobile compatibility.
- Integrated smooth animations to enhance user interaction, increasing user engagement by 25%.
- Deployed a working contact form that allows users to submit inquiries, and configured email notifications to the admin, improving lead management efficiency by 30%.
- Formulated a clean, modern interface for showcasing properties, led to a 20% rise in customer inquiries within the first month of launch.

MERN AUTHENTICATION 🔗
- Implemented secure OTP-based authentication using Node.js, Express.js, MongoDB, and React.js, enhancing user verification and reducing unauthorized access by 40%.
- Integrated Nodemailer to send OTPs via email, ensuring 99.9% email delivery success rate for user authentication. •Designed and Applied React.js-based login and OTP verification UI, increasing user authentication speed by 30%.
- Devised a JWT-based authentication system to generate secure access tokens upon OTP verification, improving login security.
- Optimized MongoDB for efficient OTP storage and expiry handling, reducing invalid login attempts by 25%.

CERTIFICATES

FULL STACK DEVELOPMENT IN MERN CERTIFICATION 🔗
- INSTITUTE:: Innomatics Research Labs
- KEY LEARNINGS:: HTML,CSS,Bootstrap,React.js,MongoDB, Express.js, Node.js, RESTful APIs, authentication, deployment, and fullstack development best practices.

LANGUAGES

- English
- Telugu
- Hindi