NIDINBOSE

MERN STACK DEVELOPER

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SUMMARY

Full-stack developer with 1 years of experience in javaScript,React.js, Node.js, Mongodb, Express,HTML, CSS, Skilled in building scalable apps, RESTful APIs and accessibility standards, quick to learn and a protective team player focused on delivering high quality projects

TECHNICAL SKILLS

Languages : JavaScript, TypeScript, Mongodb, MySQL, HTML, S(CSS)
Libraries and Frameworks : Node.js, React.js, Express, TailwindCss, Bootstrap, Iconic, Electron, Next.js
Tools and Platforms : Git, Jest, GithubActions, AWS, Netlify, Render, Vercel, Firebase
Microservices : Docker, Kubernetes, Apache Kafka
Concepts : MVC Architecture, Clean Architecture, SOLID Principles, Microservices Architecture

WORK EXPERIENCE

Internship , Synnefo solutions   **Feb 2024 - Present**

- Designed and deployed full-stack MERN applications with React frontend, Node.js/Express backend, and MongoDB database, reducing API latency by 30%
- Implemented JWT authentication and RESTful APIs to enable secure user login and data retrieval
- Optimized MongoDB queries using indexing and aggregation pipelines, improving database performance by 40%
- Implemented React Hooks State Management (Context API),Responsive Design

Freelancing Developer   **Mar 2022 - Present**

- Optimized MongoDB queries, decreasing database response times by 35% and enhancing user experience
- Automated deployment workflows using Docker and CI/CD pipelines, cutting release times by 50%
- Increased code efficiency by 40% by refactoring legacy modules, resulting in faster application load times
- Reduced server downtime by 20% by implementing proactive maintenance and monitoring solutions

PROJECTS

Hexspin-Codes | MERN Stack AI Learning Platform (microservices architecture)   Github | Live

- Engineered AI-powered coding platform using React, Node.js, and MongoDB, integrating YouTube API for video tutorials and Google Gemini API for AI analysis
- Implemented JWT authentication with rate limiting and encryption protocols, reducing security incidents by 100% during beta
- Optimized performance using GSAP animations and React memoization, achieving 95+ Lighthouse scores across all pages
- Designed CI/CD pipeline with Jest testing, achieving 98% test coverage and reducing deployment failures by 40%
- Containerized services with Docker, achieving 99.9% deployment success through Kubernetes orchestration
- Architected 10+ microservices including User Auth, Content Delivery, and AI Analysis modules using Node.js/React
- Razorpay Integration: Node.js backend handles order creation, verification via HMAC-SHA256, and webhook-based payment status updates

Santics-Gaming Accessories Store | (MVC architecture,AWS)   Github | Live

- AWS Infrastructure: Secure cloud hosting with IAM policies and encrypted data storage.
- Middleware: helmet for HTTP headers, cookie-parser for session management, and JWT for stateless authentication
- Razorpay Integration: Node.js backend handles order creation, verification via HMAC-SHA256, and webhook-based payment status update
- Dynamic checkout with Razorpay's JavaScript SDK, supporting UPI, cards, and wallets
- Email Services: Nodemailer for transactional emails (order confirmations, password resets).
- Performance: Redis caching for frequent product queries, MongoDB Atlas indexing for sub-50ms response times.

College Website & Data Management System| (MVC architecture)

- Role-Based Access Control: Design separate dashboards for admin (full system control), staff (attendance/grade management), and students (performance tracking) using JWT authentication
- User Management: Implement CRUD operations for student/staff profiles with image uploads and data filtering
- Attendance & Grading: Develop real-time attendance tracking and performance assessment modules with automated report generation
- Communication Tools: Integrate in-app messaging systems between staff and students
- Data Visualization: Create interactive charts/tables for academic progress analysis.
- Node.js/Express.js REST APIs handling role-specific permissions

Hexpin: Company Management and Booking System(Clean architecture)

- Booking/rescheduling/cancellation system with real-time calendar sync and notification workflows
- Secure CRUD operations for personnel records with role-based access control
- Task distribution system with progress tracking and priority queuing
- Heavy UI animations using GSAP (complex timelines) and Framer Motion (React-optimized transitions), supplemented by Spline for 3D asset rendering with Next.js.
- MongoDB Atlas with Mongoose ODM for schema validation.
- GSAP requires Web Worker integration to prevent main thread blocking while Framer Motion demands React.memo optimization with Next.js.
- Real-time updates (Socket.io) needed for appointment status changes affecting UI animations.

EDUCATION

MERN Stack Developer   Feb 2024 - Jan 2025

Synnefo Solutions

B.Com with Finance and Computerised Accounting   March 2020- April 2023

MG University kottayam

Higher secondary education (Computer applications with commerce)   March 2018- April 2020

Govt higher secondary school thekkuthode