

YAJNA PRASAD SWAIN

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MERN Stack Developer with 3.1 years of experience in designing and developing scalable web applications using MongoDB, Express.js, React.js, and Node.js. Seeking a position that values my technical and analytical skills while providing opportunities to enhance my knowledge and contribute to the organization's growth as well as my professional development.

Experience

Brightcanyon Solutions, MERN Stack Developer | Bangalore

Sep 2022- Continue

- Developed and deployed dynamic, responsive web applications using the MERN stack (MongoDB, Express.js, React.js, Node.js), ensuring optimal performance and scalability.
- Designed and implemented RESTful APIs to enable seamless communication between front-end and back-end systems.
- Built reusable React components and optimized rendering logic, improving front-end performance and user experience.
- Integrated third-party APIs and services for payment gateways, authentication, and data visualization to enhance product functionality.
- Implemented JWT-based authentication and role-based access control (RBAC) to ensure secure user management and data protection.
- Deployed and managed applications on AWS (EC2, S3) and utilized CI/CD pipelines for continuous integration and delivery.
- Optimized MongoDB queries and indexing strategies, reducing data retrieval time and improving overall system responsiveness.
- Conducted code reviews and debugging sessions to maintain code quality, minimize errors, and ensure maintainability.
- Effectively gathered client requirements, provided regular progress updates, and ensured timely delivery of project milestones.
- Migrated legacy front-end applications to React.js, enhancing performance, maintainability, and scalability.
- Collaborated with cross-functional teams to improve project efficiency, leading to a 20% reduction in development time.

Education

MCA from GIET University, Gunupur, Odisha

2023

Skills

Programming: JavaScript (ES6+), TypeScript, Node.js, Express.js, React.js, HTML5, CSS3, MongoDB

Databases: MongoDB, MySQL, PostgreSQL

Tools & Technologies: Git, GitHub, AWS (EC2, S3), Postman, VS Code, JIRA.

Frameworks & Libraries: Redux, Mongoose, Bootstrap,

Concepts: RESTful API Development, MVC Architecture, Authentication (JWT, OAuth), Responsive Web Design, CI/CD Deployment

Projects

Mo-Medicine – B2C Platform + Admin Panel

Description:

Took full-stack ownership of Mo-Medicine – a B2C e-commerce medicine platform and internal admin panel for managing orders, stock, and delivery tracking. Built to handle large-scale medical inventory with automation, secure payments, and real-time shipment updates.

Tech: Node.js, Express.js, MongoDB, Python, AWS, Razorpay API, Shiprocket API, React.js, JWT

Roles & Responsibilities:

- Developed scalable backend systems using Node.js, Express.js, and MongoDB, efficiently managing over 6 lakh+ medicine records.
- Designed and maintained the admin panel for order management, stock tracking, and delivery monitoring.
- Automated large-scale data ingestion using Python scripts to import and update medical inventory in MongoDB hosted on AWS.
- Implemented expiry and batch management logic to ensure accuracy in stock updates and regulatory compliance.
- Integrated Razorpay for secure online payments and Shiprocket API for real-time shipment tracking and order synchronization.
- Developed RESTful APIs for both B2C and admin modules to enable seamless communication between systems.
- Ensured data consistency, optimized API performance, and implemented JWT-based authentication for secure user access.

Aetheria Perfumes – E-commerce Platform

Description:

Managing the complete backend development of Aetheria Perfumes – a full-featured perfume e-commerce platform (aetheriaperfumes.com) built for seamless product management, secure payments, and real-time order tracking. Designed to handle scalable operations with efficient automation and third-party API integrations.

Tech: Node.js, Express.js, MongoDB, Razorpay API, Shiprocket API, JWT, AWS

Roles & Responsibilities:

- Developed and maintained backend architecture using Node.js, Express.js, and MongoDB for product and order management.
- Implemented admin panel functionality to manage variant-wise products, stock updates, and real-time order control.
- Integrated Razorpay API for secure payment processing and Shiprocket API for shipment tracking and delivery synchronization.
- Designed automated order lifecycle management from purchase to delivery, including live order status updates.

- Implemented authentication and authorization using JWT to ensure secure access for admin and customers.
- Optimized API performance and database queries to improve response time and backend reliability.
- Deployed and monitored the application on AWS for scalability and uptime consistency.