YAJNA PRASAD SWAIN

+91 9348759897 | swain.yajnaprasad404@gmail.com

MERN Stack Developer with 2.5 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, *Backend Developer* | Bangalore   *May 2023- 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.