

Sudhakar Swain

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- **3.7+ years of experience** in developing full-stack web applications using the MERN stack with hands-on expertise in designing scalable and high-performance applications.
- **Developed and optimized RESTful APIs** and microservices using Node.js and Express, while integrating MongoDB for efficient data storage and retrieval.
- **Proficient in designing responsive and intuitive user interfaces** using React.js with extensive knowledge of state management libraries like Redux and Context API. Adept at using React hooks for managing component states.
- **Worked with AWS services** (EC2, S3, Lambda, RDS) to deploy, scale, and monitor applications. Experience with setting up CI/CD pipelines using AWS CodePipeline and Jenkins for automated deployment and testing.
- **Containerized applications using Docker**, created Docker images, and used Docker Compose to manage multi-container applications, streamlining the development and deployment process.
- **Collaborated with cross-functional teams** to develop high-quality software products, conducting code reviews, writing unit and integration tests, and participating in sprint planning to ensure timely delivery of features.
- **Experience in implementing authentication and authorization** using JWT and OAuth, as well as securing applications with best practices.
- **Skilled in integrating third-party APIs and services**, including payment gateways, email services, and social login integrations.
- Basic understanding of DevOps practices, using tools like Docker, Kubernetes, Jenkins, and Terraform for managing infrastructure as code and automating deployment workflows.
- **Strong understanding of database management and optimization**, designing efficient MongoDB schemas and performing CRUD operations while implementing indexing and aggregation pipelines.

PROFESSIONAL EXPERIENCE

Associate Software Engineer

COMPAD SYSTEMS PVT LTD, Hyderabad

(Aug 2020 - Feb 27, 2023)

Project 1: GMH (Graph My Health)

Technical Competency:

- **Scripting:** JavaScript, TypeScript
- **Frontend Library:** Next.js
- **Technologies:** HTML, SCSS, Bootstrap, ReactJS, MDBBootstrap
- **Development Tools:** Visual Studio Code, WebStorm, IntelliJ
- **Third-Party Tools:** MDB, Matcontrol
- **Operating Systems:** Windows 10, Windows 11

Roles & Responsibilities:

- Interacted with clients to gather and understand project requirements.
- Built dynamic web applications using ReactJS and Next.js, focusing on intuitive and responsive UI.
- Conducted memory leak checks and performance profiling to enhance application speed and efficiency.
- Tracked and resolved application defects, ensuring a stable and reliable codebase.
- Developed modular and scalable software components to ensure code reusability and maintainability.

Project 2: HIMS (Hospital Information Management System)

Technical Competency:

- **Scripting:** JavaScript, TypeScript
- **Frontend Library:** ReactJS
- **Technologies:** HTML, SCSS, Bootstrap, MDBBootstrap
- **Development Tools:** Visual Studio Code, WebStorm, IntelliJ
- **Operating Systems:** Windows 10

Roles & Responsibilities:

- Analyzed requirements and communicated with clients to align project goals.
- Designed and implemented scalable user interfaces for medical professionals using ReactJS.
- Created user-friendly and functional web-based interfaces, ensuring a seamless user experience.
- Optimized CSS/SASS and conducted performance tuning for faster load times.
- Identified and resolved bugs, improving application stability and user satisfaction.

Additional Projects:

Wedding Venue Platform:

- **Technologies:** ReactJS, Node.js, MongoDB, SASS, Git
- **Roles & Responsibilities:**
 - Developed a venue booking platform allowing vendors to manage listings and users to book venues.
 - Implemented venue search and registration features using ReactJS.
 - Created Node.js APIs for managing venue data and user bookings.
 - Used MongoDB for efficient data storage and retrieval.

NewsBeen (Online News Portal):

- **Technologies:** ReactJS, Node.js, AWS Services
- **Roles & Responsibilities:**
 - Built interfaces for news article submission and viewing using ReactJS.
 - Developed APIs for article management and user accounts with Node.js.
 - Integrated AWS services for scalable storage of media and articles.
 - Ensured responsive design and optimized backend services for efficient news delivery.

Associate Software Developer

Xinthesys LLC, New York, USA

(April 3, 2023 - April 18, 2024)

Project 1: Adept Web UI

Technical Skills:

- **Scripting:** JavaScript, Gulp
- **Frontend:** HTML, CSS, ReactJS, AgGrid, jQuery
- **Backend:** Node.js, Express.js, Docker ,aws ,jenkin
- **Tools:** Visual Studio Code , GitLab

Roles & Responsibilities:

- Developed a web UI for visualizing real-time FIX messages for US stock market clients, enabling instant access to transaction data.
- Implemented features for data download, sharing, and streamlined submission for review and approval.
- Built error detection mechanisms for FIX messages and integrated email notifications for client communication.
- Employed modern technologies and intuitive design to enhance client interaction with their transaction data.
- Received positive feedback for the platform's usability and effectiveness in managing transaction data. Developed using a microservices architecture for scalability and efficiency.

Project 2: The Scheduler Service

Technical Skills:

- **Scripting & Libraries:** JavaScript, Node.js
- **Technologies:** MongoDB, Redis, MQTT Protocol, Cron Jobs ,Child Process
- **Tools:** Redis CLI

Roles & Responsibilities:

- Created a Job-Scheduler application for scheduling, maintaining, and monitoring cron jobs for financial data processing.

- Designed a cluster of services to manage schedules, execute jobs, capture logs, and notify users.
- Enabled scheduling of jobs for various stages of financial data processing as per client requirements.
- Implemented features for real-time job monitoring and log management using tools like Flewatchers.
- Ensured the application's robustness and scalability through effective use of MongoDB and Redis.

Technical Skills Overview:

- **JavaScript Frameworks and Libraries:** Node.js, Express.js, React.js, Redux, Axios, GraphQL, Material-UI, Next.js ,
- **Languages:** JavaScript, TypeScript, HTML5, CSS, Python
- **AWS Services:** Lambda, S3, IAM, SQS, DynamoDB, EC2, CloudWatch ,
- **CSS Preprocessors:** SASS
- **Databases:** MongoDB, MySQL , Redis , NoSqlBooster
- **Version Control:** Git (GitLab)

Technical Skills

JavaScript Frameworks and Libraries: Node.js Express.js React.js , Redux , Axios , GraphQL , Material-UI , Next.js

Languages: JavaScript TypeScript HTML5 CSS Python

AWS Services: Lambda S3 IAM SQS DynamoDB EC2 CloudWatch

CSS Preprocessors: SASS

Databases: MongoDB and MySQL

Version Control: Git (GitLab)

EDUCATION

Berhampur University, Berhampur ,Odisha

BSC Odisha(19-02-2019)-Graduation -48%

CHSE,Odisha(31 -May-2014)– (+2)=58 %,

HSC,Odisha (28-June-2012):- (10Th):- 65%

Declaration

I consider myself familiar with Information technology aspects. I am also confident of my ability to work in a team. I hereby declare that the information furnished above is true to the best of my knowledge.