

Aakarshit Raj

System Engineer | Developer | Frontend Developer | Backend Developer | React | MERN | Full Stack Developer

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WORK EXPERIENCE

Tata Consultancy Services (TCS)

June 2024-Present

System Engineer

Full Stack Developer – MERN Stack

- Developed and deployed a robust, full-stack enterprise web application using the **MERN** stack for a global banking client.
- Created interactive front-end modules using **ReactJS**, focused on responsive UI and integration with **backend** services.
- Built secure, scalable **REST APIs** using Node.js on **AWS Lambda**, enabling serverless compute and seamless scalability.
- Managed API lifecycle with Amazon API Gateway, implementing throttling, authentication, logging, and version control.
- Used **MongoDB Atlas** Enterprise for highly available, encrypted data storage with automated failover and real-time backups.
- Integrated **JWT-based** authentication with **AWS IAM** roles and policies for enterprise-grade access control and identity management.
- Automated build and deployment workflows using **AWS CodePipeline** and **CodeBuild** across multiple environments.
- Deployed services in consistent environments using **Docker Enterprise**, ensuring reliable dev → staging → production handoffs.
- Used **Git** for version control, branching strategies, and collaborative code reviews across teams.
- Employed Postman Enterprise for **API** testing, monitoring, and generating integration-ready documentation.
- Worked within Agile teams, contributing to sprint ceremonies, code quality, and cross-functional collaboration.

Automation Work:

- Collaborated with teams to identify reporting inefficiencies; automated recurring reports using **Excel VBA Macros**.
- Reduced manual effort and turnaround time across departments through process automation.
- Curated and validated data flow across services, emphasizing quality and governance principles.
- Practiced Agile and pair programming methodologies to promote code quality and collaboration.

TECHNICAL SKILLS

Languages: C/C++, Java 8, JavaScript (ES6+), SQL, HTML5, CSS3,

Frameworks & Libraries: React.js, Node.js, Express.js

Web & API Technologies: RESTful APIs, Axios, JSON

Databases: MySQL, MongoDB, SQL

DevOps & CI/CD: Docker, Kubernetes, Git, GitHub, CI/CD

Cloud & Deployment: AWS (IAM, EC2, S3), Azure (Basic)

Automation & Tools: Excel VBA Macros, Postman, Visual Studio

EDUCATION

Kalinga Institute of Industrial Technology

Bachelor of Technology in Computer Science Engineering (CSE) **CGPA-8.59**

Bhubaneswar, Odisha

2020-2024

PROJECTS

[<Repository Link>](#)

1. Rent A Vehicle Website Online [Github Link](#)

Developed a full-stack vehicle rental platform using ReactJS, Node.js, ExpressJS, and MongoDB with secure user authentication.

2. Store App [Github Link](#)

Built a responsive e-commerce store using React and Redux with dynamic API integration via Axios.

ACHIEVEMENTS AND CERTIFICATIONS

- Solved more than 300+ problems (Data Structure and Algorithms) across Coding Platform (Leetcode and GFG)
- Appreciation Certificate – Group Representative (GR), Initial Learning Program By TCS .Awarded 2024
- Xcelerate Warrior Recognition by Tata Consultancy Services · Awarded 2025
- On the Spot (Team) Award by Tata Consultancy Services · Awarded 2025
- Best Team Award by Tata Consultancy Services · Awarded 2025
- Building RESTful APIs with Node.js and Express by LinkedIn
- MongoDB by Udemy
- React (Basic) Certificate by HackerRank
- AWS Academy Graduate – AWS Academy Introduction to Cloud (Semester 1) by Amazon Web Services (AWS)