

TAMOJIT ROY

Fullstack Developer

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Summary

Full-Stack Developer with 2+ years of experience building and deploying end-to-end web applications. Skilled in frontend and backend development. Proven ability to deliver scalable, high-performance solutions in the manufacturing domain, with a strong commitment to continuous learning and improvement.

Skills

Programming: Java, JavaScript, HTML, CSS, Python

Frameworks: React.js, Angular, Spring Boot

Databases: PostgreSQL

Tools & Platforms: Visual Studio Code, IntelliJ IDEA, Eclipse, Insomnia, pgAdmin, Subject7

Experience

Senior Software Engineer I

July 2024 – August 2025

John Deere India Pvt. Ltd. (Hybrid)

- Authored quality unit test cases for frontend (**JEST**) and backend (**JUnit/Mockito**) codebase of the application.
- Contributed to **development of REST APIs** for facilitating fast and seamless interaction between client and server.
- Designed and **enforced business logic for Java Spring Boot application**, leveraged **JPA** for seamless database interactions, and enhanced the performance and scalability of backend microservices.
- Leveraged Insomnia for designing, testing, and debugging APIs**, streamlining the development process and ensuring high-quality, error-free API interactions.
- Collaborated with UX Lead and Product Owner** in Agile/Scrum environment.

Graduate Engineer Trainee

July 2023 – June 2024

John Deere India Pvt. Ltd. (Hybrid)

- Learnt about **Agile/Scrum** methodologies.
- Refined and optimized reusable React components to meet specific business requirements, boosting performance and maintaining high code quality.
- Engineered intelligent automation solutions by designing test cases using the **Subject7** platform.

Projects

ADVANCE

July 2023 – August 2025

- Increased code coverage of both frontend and backend codebase to more than 80%** for ensuring code quality and feature integrity.
- Implemented a feature enabling transmission of an additional core entity field and fine-tuned it to reduce manual input period by **1.8 mins.** for two such entries.
- Facilitated **migration from AG Grid to MUI Grid** across the application, ensuring consistency and functionality.
- Assisted in designing and applying reusable React components. Made various optimizations in the UI code for efficient rendering of custom components and adjusted their functionality according to business requirements.
- Employed **React Scan** to detect issues & reengineered React.js UI modules with modular architecture and **Redux** state flow, eliminating redundant refresh cycles and accelerating responsiveness by **30%**.
- Streamlined & debugged **AWS Lambda** functions, improving runtime efficiency and cutting response latency by **10%**.
- Resolved multiple regression defects pre-deployment to ensure seamless and stable rollout of features to stakeholders.

Awards & Certifications

- AWS Certified Cloud Practitioner - AWS (2022):** Gained foundational knowledge of AWS core services, pricing models, and security best practices, demonstrating a solid understanding of cloud computing fundamentals.
- Prompt Engineering Challenge - Harmony Hackers Award (2025):** Commended for exceptional collaboration and strategic use of AI prompts to expedite end-to-end development of a full-stack feature within a single day.

Education

B.Tech Computer Science and Engineering

Vellore Institute of Technology, Chennai

Graduated: 2023

CGPA: 8.78 / 10