Sankhadeep Biswas

Full Stack Developer

SUMMARY

4 years of experience in Full-Stack development with expertise in modular, test-driven development using React.js and Spring Boot. Skilled in CI/CD, REST APIs, and secure coding, with a collaborative approach to delivering high-quality, resilient interfaces. Passionate about driving impactful solutions in sustainability-focused, high-growth environments.

SKILLS & TECHNOLOGIES

- **Languages:** Java, JavaScript(ES6), TypeScript, HTML, CSS, Python, C, C++
- **Frameworks:** Spring Boot, Spring Framework, React.js
- **Automation & Integration:** RESTful APIs, JSON, XML
- **Database:** MongoDB, SQL, MySQL, basic Oracle
- **Cloud & DevOps:** AWS, Jenkins, GitLab CI/CD, Maven, Gradle
- **Development:** Git/GitHub, Microservices, Swagger Hub, Design Pattern, System Design, GitHub Copilot
- **Methodologies:** Agile (Scrum & Kanban)

WORK EXPERIENCE

Developer 2   **Dec 2025 - Present**

Hyland, Kolkata

- Developer in the Brainware Capture Solutions, I contribute to the development and maintenance of intelligent data capture solutions that streamline document processing and enhance data extraction accuracy.

Systems Engineer   **Aug 2021 - Dec 2025**

Tata Consultancy Services, Kolkata

- 4+ years of experience in software development using Java, Spring Boot, and Microservices for enterprise-scale applications.
- Designed and developed RESTful APIs and microservices using Spring Boot, handling up to 300 TPS, returning JSON responses, and supporting scalable, distributed system architectures.
- Migrated applications to AWS, managing deployment and cloud configuration, and improving system scalability, availability, and reliability.
- Optimized MongoDB queries, improving search performance by 200% and download performance by 500% through efficient query tuning and indexing.
- Developed Kafka consumers capable of processing up to 5,000 transactions per second, enabling high-throughput event-driven communication between services.
- Served as POC for GitLab migration, managing repository access, roles, and rules, and building CI/CD pipelines with automated code quality checks and security scans.
- Built responsive frontend interfaces using React.js, JavaScript, HTML, and CSS, including user authentication and authorization integrated with backend services.
- Implemented unit testing using JUnit and Mockito, achieving 85%+ code coverage and improving code quality and maintainability.
- Utilized AI tools (AI Builder, Copilot) to improve development productivity by 20–30% and accelerate feature delivery.

CERTIFICATION

Career Essentials in Generative AI by Microsoft and LinkedIn   **May 2025**
https://www.linkedin.com/learning/certificates/7e04d9face2d931c20a408536dc6367887dfe02017884698b4b24f84e717a909

EDUCATION

Bachelor of Technology (B.Tech.)   **Aug 2017 - Jul 2021**
Organization: RCC Institute of Information Technology | Maulana Abul Kalam Azad University of Technology
GPA: 8.72 / 10.0

XII Examination   **Apr 2015 - May 2016**
Organization: Bhimpur Swamiji Vidyapith | West Bengal Council of Higher Secondary Education
Percentage: 83.4 / 100