

Sourav Sourav

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TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript

Frameworks/Libraries/Environments: Spring Boot, Spring Security, Angular, React, Node.js, JUnit, Terraform

DevOps: Docker, Kubernetes, Jenkins, CI/CD, AWS, Terraform

Other Tools/Technologies: JPA, Kafka, Git, MySQL, TDD, Agile, SCRUM, REST, Maven, System Design

Certifications: AWS Cloud Practitioner, Data Structures & Algorithms (HackerRank)

EXPERIENCE

Software Developer

Canada Revenue Agency

Jan 2024 – Present

Toronto

- Contributed to the File a Formal Dispute (FFD) release, coordinating efforts between teams to engineer microservice-based APIs using Spring Boot and develop Angular components, integrating internationalization.
- Built scalable solutions for various accounts, leveraging design patterns to refactor data models, reducing load by 30% for AMR and SOA. Improved application security and performance.
- Developed automated testing scripts using Playwright for Angular applications and a JUnit for Spring Boot applications, achieved approximately 90% test coverage.

Software Developer

MathWorks Private Limited

July 2019 – Dec 2022

Bengaluru

- Created a baseline generation tool in Java, collaborating with QA team to minimize redundant baselines by 25% and reduce technical debt through code refactoring, with thorough documentation on Confluence.
- Addressed MATLAB Function block dimension issues using Java, which significantly enhanced Simulink-MATLAB integration and reduced bugs by 40%.
- Created an internal tool for managerial oversight to track employee key metrics, implementing REST APIs and JWT authentication for microservices using Spring Framework, achieving 80% code coverage with JUnit.

PROJECTS

Code Labeller | Java, Spring Boot, Maven, React, Hibernate, MySQL, Docker | Demo

Jan 2023 – Sept 2023

- Developed a web app for publishing surveys, creating REST APIs with Spring Boot, integrating JWT with Spring Security, along with Hibernate and MySQL for database management. Achieved 85% test coverage with JUnit.
- Applied Agile methodologies with Jira, conducting daily scrums and sprints, resulting in efficient project delivery and a 30% reduction in code smells through SOLID principles.
- Utilized GitLab CI/CD and Docker (50% faster deployments), achieved 85% test coverage with JUnit, documented APIs with JavaDoc, and applied SOLID principles to reduce code smells by 30%.

Trivia Game | AWS, Spring Boot, React, Git, AWS SNS | Demo Video

Jan 2022 – Nov 2022

- Created a multiplayer quiz game using AWS, GCP, and Spring Boot, and React, facilitating real-time competition. Conducted peer code reviews and adhered to SDLC with Git and Jira, improving performance by 20%.
- Employed DynamoDB Streams, SNS, and API Gateway to track leaderboard changes, enhancing performance.
- Boosted performance by **20%** with automatic question tagging using GCP NLP API and Cloud Functions.

Course Alert | AWS, Spring Boot, React, Git, AWS SNS | Demo Video

Feb 2021 – Oct 2021

- Built a highly available cloud-based application for student subscription and customized notifications.
- Utilized React for the frontend, Spring Boot for REST APIs, MongoDB for data storage, Lambda, SNS for notifications EC2 instances for deployment. Leveraged Terraform (IaaS) to reduce deployment time by 70%.

EDUCATION

Dalhousie University

Master of Applied Computer Science, Grade: 4.25/4.3

Halifax

Jan 2023 – Apr 2024

IIIT-Delhi

Computer Science and Engineering, Grade: 7.95/10

New Delhi

July 2015 – Aug 2019