

SOURAV SOURAV

@SOURAVGHAI96@GMAIL.COM

+1 782-882-4914

TORONTO, CAN

Software Developer

sg hai.vercel.app

sg hai96

sourav15102

sg hai74

EXPERIENCE

Software Developer

Canada Revenue Agency

Jan 2024 – Ongoing

Toronto, CAN

- 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.
- Engineered 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, reduced manual testing time by 40% and increased bug detection by 25%.

Software Developer

MathWorks Private Limited

July 2019 – Dec 2022

Bangalore, India

- 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, JPA, Hibernate, MySQL, Docker

July 2023 – Dec 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%.

TECHNICAL SKILLS

Languages

Java

JavaScript

TypeScript

Frameworks/Libraries/Environments

Spring Boot

Spring Security

Angular

React

Node.js

JUnit

DevOps

Docker

Kubernetes

Jenkins

CI/CD

AWS

Terraform

Other Tools/Technologies

JPA

Kafka

Git

MySQL

TDD

Agile

REST

Maven

System Design

CERTIFICATIONS



AWS Cloud Practitioner
850/1000



Data Structures & Algorithms
HackerRank Intermediate

LANGUAGES

English
Hindi



EDUCATION

Master of Applied Computer Science

Dalhousie University

Jan 2023 – May 2024

Grade: 4.25/4.3

Computer Science and Engineering

IIIT-Delhi

July 2015 – Aug 2019

Grade: 7.95/10

Trivia Game

AWS, Spring Boot, React, Git, AWS SNS

📅 Jan 2023 – June 2023

- 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

📅 October 2022 – April 2023

- 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 (IaC) to reduce deployment time by 70%.

CONTRIBUTIONS 📌

- 📌 **Spring Boot Migrator**: Refactored **Java** code modified functionality for **Spring Boot** tool.
- 📌 **CP Algorithms**: Authored an article on a Linked List algorithm frequently used in DSA questions.

REFEREES 👥

Nicola Carpenter

@ Canada Revenue Agency

✉ nicola.carpenter@cra-arc.gc.ca

Deep Singh

@ Canada Revenue Agency

✉ deep.singh@cra-arc.gc.ca

Ananda Gangatkar

@ MathWorks

✉ agangatk@mathworks.com