

Steve Armstrong

Java Backend Developer

Halifax, Canada | steve@stevearmstrong.org | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Java backend developer with 5+ years of experience building financial systems, enterprise APIs, and production delivery workflows. Current work at NTT DATA focuses on Java pension calculation software, translating complex plan rules into reliable, testable calculation logic. Experienced with Java, Spring Boot, REST APIs, Kafka, SQL, automated testing, CI/CD, GCP, and AWS.

EMPLOYMENT HISTORY

Software Development Senior Analyst - Java

Aug 2024 - Present

[NTT DATA](#) - Full Time, Permanent

Halifax, NS

- **Build and maintain Java backend functionality** for pension benefit calculation workflows, translating plan provisions into reliable calculation logic.
- **Implement and test** eligibility, service, earnings, and date-based rules, including edge cases that affect benefit outcomes.
- **Investigate calculation discrepancies** with business analysts and QA, tracing requirements, reproducing issues, and validating fixes.
- **Strengthen maintainability and release confidence** through automated tests, peer review, documentation, and clear technical reasoning.

API Marketplace Developer

June 2023 - Dec 2023

[TELUS Communications](#) - T4 Contract

Halifax, NS

- **Engineered reusable GitHub Actions workflows** integrated with Google Cloud services for secure, repeatable application deployments.
- **Integrated Maven builds and Serenity BDD automated tests** into CI/CD, improving feedback quality and release confidence.
- **Integrated GCP Secret Manager** with delivery workflows to eliminate hard-coded deployment credentials.
- **Built token-generation services** for B2B2E scenarios with Node.js and Express, and used Splunk to investigate deployment anomalies.

Senior Systems Engineer - Java / Spring Boot

Dec 2019 - June 2022

[Infosys](#) - Full Time, Permanent

Remote

- **Built Java and Spring services** for India's national GST e-invoicing ecosystem, supporting high-volume invoice registration and regulatory reporting.
- **Implemented PAN-based AATO eligibility rules** used to enable taxpayers for e-invoicing requirements.
- **Built Kafka-backed event workflows and REST integrations** connecting taxpayer and GSP systems with the NIC Invoice Registration Portal, GST, and e-Way Bill systems.
- **Implemented secure access controls**, credential validation, and OTP-based authentication for taxpayer and integration workflows.
- **Built migration services** for on-demand and bulk conversion of financial-year comparison reports to new formats.
- **Created unit, integration, and performance coverage** with JUnit, Mockito, Testcontainers, JMeter, SonarQube, and JaCoCo.

SKILLS

Languages: Java, SQL, JavaScript, Bash

Backend & Integration: Spring Boot, Spring Core, Hibernate, REST APIs, Kafka, Node.js

Data: PostgreSQL, MySQL, MongoDB, DynamoDB, HBase

Testing & Quality: JUnit, Mockito, Testcontainers, Serenity BDD, JMeter, SonarQube, JaCoCo

Cloud & Delivery: GCP, AWS, Docker, Linux, Maven, Gradle, GitHub Actions, Jenkins, Splunk

OPEN SOURCE CONTRIBUTIONS

- **Spring Boot 4.0:** Credited among the community contributors to the Spring Boot 4.0 release. [Official contributor list](#)
- **Jenkins:** Improved queue diagnostics by truncating verbose blockage messages and added boundary and stress tests. [Merged PR #11298](#)
- **Apache Maven:** Removed conflicting SLF4J test providers and standardized test logging across modules. [Merged PR #11480](#)

EDUCATION

Business Intelligence Analytics

Sep 2023 - May 2024

Nova Scotia Community College - Post-Graduate Certificate with Honors

Halifax, NS

- **GPA:** 4.0 (94.50%)
- **Relevant coursework:** SQL, system design, ETL, business analysis, data reporting, and database management.

Full Stack Application Development

Sep 2022 - May 2023

Nova Scotia Community College - Post-Graduate Certificate with Honors

Halifax, NS

- **GPA:** 4.0 (97.33%)
- **Relevant coursework:** algorithms, data structures, server-side development, application security, operating systems, and networking.

Bachelor of Technology in Engineering

Aug 2015 - Sep 2019

APJ Abdul Kalam Technological University - Bachelor's Degree

India

- **CGPA:** 7.34 / 10

CERTIFICATION

REST API - Intermediate - HackerRank	June 2024
Google Business Intelligence - Google	May 2024
GitHub Actions Certification - GitHub	Feb 2024 - Feb 2027
SQL Advanced - HackerRank	Jan 2024

OTHER ACHIEVEMENTS

Winner of Best Pitch in Atlantic Canada	Mar 2023
<i>Dalhousie University, CollideCamp, Nova Scotia</i>	
Delivered the winning pitch to a panel of entrepreneur judges in a regional competition featuring 60 participants.	