

FIRST LAST

Year 3, Computer Science Major

[EMAIL](#) [WEBSITE](#) [LINKEDIN](#) [ADDRESS](#)

SKILLS

Languages: C, C++, Java, Python, HTML, CSS, JavaScript, R, Scheme
Libraries/Frameworks: Spring, Bootstrap, React.js, Node.js, Express.js, Flask, Mongoose, Hibernate, JPA, jQuery
Tools/Technologies: Apache Kafka, Hashicorp Vault, Git, Maven, Jenkins, JIRA, PCF, OpenShift, Docker
Databases: SQL, MongoDB, DB2, H2, Elasticsearch, Redis

EDUCATION

The University of British Columbia

Vancouver, BC

- Bachelor of Science, Computer Science

Sept 2020 – Jun 2025 (Expected)

PROFESSIONAL EXPERIENCE

Royal Bank of Canada (RBC)

Toronto, ON

Full Stack Developer

Sept 2022 – Sept 2023

- Played a pivotal role in conceptualizing, designing, and developing a multitude of APIs and microservices using Java Spring, Apache Kafka, as well as leveraging database technologies such as Redis and H2.
- Developed a tool for 200+ developers in the Client, Deposits, and Investments Technology (CDIT) domain that extracted and read secrets from 4 pre-production environments inside Enterprise Vault using Spring Boot and Thymeleaf to reduce environment setup time by 80%. Published the tool on RBC's InnerSource platform and provided crucial support to developers by reducing the time taken for developers to get secrets by 70%.
- Explored and authored a cloud platform migration guide, transferred this knowledge to other developers, and migrated 10+ apps across platforms using Hashicorp Vault, Urban Code Deploy, and Pivotal Cloud Foundry.
- Independently managed confidential and sensitive information storage for 20+ Spring Boot apps and microservices, encompassing a total of 100,000+ user profiles and 500,000+ transaction records.
- Contributed to RBC's open-source projects by developing over 10 new features for existing applications, creating comprehensive documentation resulting in 50% increase in project adoption, and successfully resolving 20+ bugs to enhance application functionality.
- Co-developed with a senior developer to successfully build over 5 new APIs following RBC's acquisition of HSBC, facilitating seamless data integration and enhanced operational efficiency.
- Managed critical security certificate updates for over 5 applications, actively engaging in Change Requests (CRs) and taking full ownership of pushing newly updated apps to production.
- Created a REST API as a side project to simulate a pet store management system with database support, showcasing its functionality in a team-wide presentation and learning session attended by 25+ colleagues.

PROJECTS

People Data Management Solution

Apr 2023 – Jun 2023

- Engineered a microservices-based application for comprehensive employee data management, handling data for over 500 employees while achieving a fast data retrieval average time of under 100 milliseconds.
- Constructed a robust REST backend for 3 microservices, API gateway, external config server, and service registry using Java Spring, MySQL, and JPA interface, effectively handling hundreds of API requests per day.
- Designed the implementation of a Single Page Application (SPA) using React.js, resulting in seamless user interactions and achieved a 40% reduction in user interface response time.
- Introduced industry-standard logging practices with SLF4J, resulting in over 95% reduction in log-related issues and significantly improving troubleshooting efficiency. Containerized the application using Docker, reducing deployment time by 70% and enabling seamless scalability across multiple environments.

Indexify Twitter

Nov 2022 – Jan 2023

- Architected a backend application using Java Spring and Apache Kafka to acquire and process 500 tweets per minute from Twitter in real-time, using targeted keywords, and index them in Elasticsearch for analysis purposes.
- Implemented OAuth-based user authentication with Twitter Client HBC, enabling secure access to Twitter data. Structured a robust system with efficient real-time tweet processing, achieving an average authentication response time of under 500ms, processing over 1000 tweets per minute.
- Utilized a Maven architecture to implement the project, ensuring efficient dependency management and streamlined build processes.

Amazon Clone

Oct 2022 - Feb 2023

- Built a comprehensive full-stack clone of the Amazon Canada website utilizing React.js to create a responsive UI. Devised seamless integration with Firebase, handling over 1000 products and supporting multi-user interactions.
- Utilized Next.js to develop specialized components, resulting in a 30% improvement in page load times. Strengthened state management using Redux toolkit, maintaining user state across multiple pages with a seamless transition and reducing data retrieval time by 40%.
- Implemented Stripe for a secure payment processing experience and engineered robust error handling mechanisms, reducing payment-related issues by 15% and ensuring a smooth checkout experience.