

## HIGHLIGHT

*Highly skilled software professional with hands-on experience in full-stack development, strong problem solving abilities, and a passion for programming. Proven track record of delivering quality results, developing innovative solutions, and contributing to successful projects.*

## EXPERIENCE

### • Full Stack Software Engineer

Ottawa ON

*Snow Software*

*Sep 2021 - Sep 2022*

- Demonstrated strong **problem-solving** and troubleshooting skills in maintaining and enhancing cloud management **SaaS** software with **event-driven microservice architecture**, developing new features, and debugging issues in **distributed systems**.
- Collaborated effectively with a diverse, talented team and made meaningful contributions to conceptualizing, developing, and deploying innovative solutions in an **Agile** project development cycle.
- Implemented a new mechanism to enhance internal JSP plugin frameworks and architecture, allowing static-rendered plugins to execute Java functions and evaluate expressions at rendering time using Java Reflection.
- Developed comprehensive test cases for new and existing functionalities using **JUnit** and **EasyMock** to ensure efficient and reliable Java unit testing, consistently maintaining over 99% of test coverage.
- Experienced in developing and working with large monolithic **Spring** projects and microservice architectures built on **Spring Boot** to design and implement efficient, scalable, and robust software solutions.
- Contributed to the architectural design by refactoring base classes and interfaces that are inherited by numerous classes, to align with the needs of new features when the existing **Object-Oriented Design** was not adequate.

### • Teaching Assistant for Data Structure

Ottawa, ON

*Carleton University*

*Sep 2022 - Present*

- Demonstrated exceptional **communication skills** by delivering clear and effective explanations of complex data structures, resulting in a high level of satisfaction among students, with 9 out of 10 reporting a deeper understanding
- Demonstrated expertise in **data structures** through successful implementation of HashSet, LinkedList, and PriorityQueue under **Java Collection Interfaces**, with a thorough understanding of each line of code.
- Selected as a nominee for the School of Computer Science **Outstanding TA Awards 2022-23**

## PROJECTS

### • Backend Developer

Montreal, QC

*ConUHack*

*Jan 2023*

- Developed the back-end services for the POS app using **Nest.js**, **TypeScript**, **TypeORM**, and **PostgreSQL** and deployed the service with **Docker** and **AWS EC2** in under 14 hours,
- Demonstrated strong **problem-solving skills** and **coding enthusiasm** in resolving technical challenges during the development process.

### • Team Leader

Ottawa, ON

*Medical Device Simulator*

*Jan 2021- Apr 2021*

- Practiced the **Model-View-Controller (MVC)** design pattern with the **QT** framework to develop responsive and interactive user interfaces while reducing the cognitive complexity of understanding the codebase
- Utilized QT signal and slot mechanism, as well as **design patterns** including the Observer pattern and Strategy pattern, to reduce the amount of code required and improve the maintainability of the software.
- Managed **C++** raw pointers and memory carefully through the use of constructors and destructors, resulting in zero memory leaks.

## TECHNICAL SKILLS

- **Languages:** Java, JavaScript, TypeScript, Go, Python, HTML/CSS, C++, Rust, SQL
- **Technologies:** Spring, React, Angular, Node QT, Linux, Node, PostgreSQL
- **DevOps:** Git, Maven, Docker, AWS EC2, Azure Function, Jira

## EDUCATION

### • Bachelor of Computer Science Honours

Ottawa, ON

Aug 2017 – Present (Expecting May 2023)

*Carleton University*

*Computer Science & Mathematics: Concentration in Statistics & Computing*

GPA: 3.7 (10.44/12)