

PROFESSIONAL SUMMARY

As a driven Software Developer, I excel in developing scalable, secure applications and automating processes to increase operational efficiency. With over two years of experience at the Bank of Montreal, I have architected MEAN stack-based applications and integrated ELK APIs for cost-effective internal monitoring. My recent experience with AWS and Node.JS backend development demonstrates my ability to implement business logic with security and scalability. I am passionate about achieving impactful results and fostering a culture of continuous learning, communication and growth these traits make me a valuable contributor to any development team.

TECHNICAL SKILLS

- **Languages (Programming/Markup/Scripting):** Python, JavaScript, Typescript, HTML+CSS, Perl, YAML, SQL, Bash Scripting, Java
- **Frameworks:** Angular, Next.js
- **Backend/Database/API:** Spring Boot, Node.js, Express.js, MySQL, RESTapi
- **Developer Tools:** VScode, Git, Github, Jira, Confluence, Ansible Tower, SOAPUI
- **Cloud/Micro-services:** AWS, Monitoring (Elastic, Kibana, Filebeat), Kafka, Docker, Ansible
- **Soft Skills:** Problem-Solving, Self-learning, Adaptability, Ownership, Communication

WORK EXPERIENCE

- **Bank of Montreal** January 2024 - Present
Backend Developer (Node.JS) Toronto
 - To address the need for a scalable, secure web application to monitor and respond to data in various internal services, I designed the architecture and front-end for such web application using a modified **MEAN stack** and integrated with **ELK APIs** and **LDAP/Auth login**. The application is standardized as an internal Tech and Ops monitoring service, aiding significant cost reductions by eliminating an external vendor.
 - To move the integration of payment flows from on-premises vendor-based services to the cloud, I developed various **lambda functions on AWS using Node.js** for handling payment flows, leading to massive cost savings by ending vendor license renewals.
- **Bank of Montreal** July 2022 - December 2023
DevOps Engineer Toronto
 - In development environments requiring robust monitoring for business-critical processes, I enabled **ELK** monitoring and built a **CGI (Python, JavaScript, HTML+CSS)** application to analyze **Kafka** injections and **Ansible** deployment metrics, reducing the error impact time by greater than 100%.
 - For payment flow testing in QA environments that needed reliable simulation of system functions, I developed nine **RESTapi's using SoapUI**, connected to an **H2 database (Spring boot)**, performed data recovery and **SQL data injections**, enabling various test flows for QA payment environments.
 - In QA environments that required automation for application deployments to ensure efficiency and scalability, I developed **Ansible Playbooks in YAML** integrated with **Jython and Java** to automate deployments, ensuring QA deployment success rates greater than 90%.
- **LobbyIQ** Sept 2022 - November 2023
Software Developer Intern Remote
 - Provided data collection tools required in a research project under Prof. Dippel at Ivey Business School, I developed web scraping scripts using **Python (libraries)** and **Selenium**, efficiently collecting and processing data for research analysis.
- **Robarts Research Institute** October 2021 - April 2022
Lab Developer Intern Remote
 - To analyze various fiducial registration techniques for a thesis capstone project, I developed a **Python** program to analyze their effectiveness, providing valuable analysis for further research and thesis completion.

EDUCATION

- **Honours Bachelor of Science in Computer Science** Western University, Ontario Canada 2018-22

CERTIFICATIONS

- AWS: AWS Certified Developer, AWS Practitioner