

## PROFESSIONAL SUMMARY

As a Software Developer, I excel in developing scalable, secure applications and automating processes to increase operational efficiency and observability that drive revenue growth and reduce operational expenses. I am passionate about achieving impactful results using novel solutions to tackle difficult engineering tasks. I seek to foster a culture of continuous learning and growth and become a valuable contributor to your development team.

## EDUCATION

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

## TECHNICAL SKILLS

- **Languages (Programming/Markup/Scripting):** Python, JavaScript, Typescript, HTML+CSS, Perl, YAML, SQL, Bash, Java
- **Frameworks/Serverless:** Angular, Next.js, Lambda, S3, Redshift, EC2, KMS, DynamoDB, IAM, VPC, SNS, SQS
- **Backend/Database/API:** Spring Boot, Node.js, Express.js, MySQL, RESTapi
- **Developer/Monitoring Tools:** VScode, Git, Github, Jira, Confluence, Ansible Tower, SOAPUI, PowerBI
- **Cloud/Micro-services:** AWS, Monitoring (Elastic, Kibana, Filebeat), Kafka, Docker, Ansible

## WORK EXPERIENCE

- **Bank of Montreal** *January 2024 - Present*  
*Software Engineer* *Toronto*
  - **LENS Project:** Developed a real-time payments monitoring application handling **500+ transactions per minute** with RSA-encrypted payloads, leveraging **AWS Lambda, Redshift, SNS/SQS, EC2, and Power BI**. Delivered a **sub-1-minute latency** system that enabled the operations team to replace a costly vendor platform, reducing licensing costs by **60% annually**.
  - **WIT Project:** Designed and deployed a **real-time monitoring dashboard** powered by an **ELK backend** with **Angular frontend** hosted on **AWS S3**, integrating custom **ELK APIs** for dynamic data visualization. Improved monitoring efficiency and reduced data remediation time by **40%**, enabling faster issue resolution for developers.
  - **WROS / Payments API / Maintenance:** Implemented **business logic and REST APIs** using **AWS Lambda**, built **automated deployment pipelines via Ansible**, and developed **unit testing suites** and **simulation scripts** for API validation. Streamlined development workflows and improved release reliability across multiple payment systems.

## PROJECT/VOLUNTEER EXPERIENCE

- **Build Canada** *Sept 2025 - Present*  
*Software Developer* *Remote*
  - **StatsCan AI (Build Canada):** Engineered an **AI-powered natural language query system** for **Statistics Canada data**, converting XML datasets to **Parquet on S3**, orchestrated via **AWS Glue**, and integrated with **LibreChat (Claude) through MCP servers**. Enabled **1,000+ users** to query public data conversationally, **boosting civic engagement and accessibility**.
- **Mustravelz** *June 2024 - Present*  
*Software Developer* *Remote*
  - **E-Commerce Platform:** Rebuilt a Shopify store into a custom **Next.js e-commerce platform** using **Strapi CMS, Neon Postgres, NextAuth, and Stripe API**, hosted on **Vercel**. Achieved **25% higher user engagement** and over **50% reduction** in platform fees, enhancing scalability and brand control.
- **LobbyIQ** *Sept 2022 - Nov 2023*  
*Software Developer Intern* *Remote*
  - Developed automation pipelines to clean, structure, and store collected data in **SQL** databases, reducing manual preprocessing time by over **70%** and improving data reliability for downstream analysis.
- **Robarts Research Institute** *Oct 2021 - April 2022*  
*Software Developer Intern* *Remote*
  - Utilized **OpenCV and NumPy** to preprocess medical imaging datasets and benchmark algorithmic accuracy, improving registration consistency across multiple test conditions.

## CERTIFICATIONS

- **AWS:** AWS Certified Developer, AWS Practitioner