

Emmanuel Richmond

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PROFESSIONAL EXPERIENCE

Software Developer Intern

Council of Ministers of Education, Canada | May 2025 – September 2025

- Assisted in developing and maintaining internal web tools used by staff for data management and reporting, **supporting 400+ end users across provincial teams**.
- Collaborated with platform and data teams using Jira to integrate system monitoring features, **cutting issue-detection time by 42%**.

Software Developer Intern

QTech Software | Ottawa, ON | Oct 2024 – Apr 2025

- Built internal dashboard that reduced manual reporting time for 40 stakeholders from 4 hours to 15 minutes.
- Wrote Flask, JavaScript (ES6+) code, and used Agile/Scrum tools following best practices.

Application Developer/Support Intern

Canadian Imperial Bank of Commerce | Toronto, ON | May 2023 – May 2024

- Supported internal business applications by diagnosing software, system, and network issues affecting commercial clients, **resolving 20–30 ServiceNow tickets per day with a 95% satisfaction rating**.
- Automated routine troubleshooting and configuration tasks with Bash to improve team efficiency.

SKILLS

Certifications: AWS Certified Developer - Associate

Languages & Frameworks: Java, Python (pandas, NumPy, Flask), C/C++, C#, SQL(MySQL / PostgreSQL), Swift, Kotlin, JavaScript(ES6+), HTML5, CSS, React Native, Node.js, TypeScript

Tools & Platforms: Git & GitHub, Spring Boot, Docker, Azure, Kubernetes, Argo, Jira, Agile/Scrum, Windows, Linux/Unix, CI/CD, Postman, Spark, Thrift, Baseplate, Kafka

Other Skills: Data management/analysis, Debugging & System troubleshooting, Unit & integration / Automated testing, Version Control Workflow, Bilingual communication (English/French)

Projects

Credit Risk Scoring System | Java, Spring Boot, Kafka, PostgreSQL, Docker, REST APIs

- Spring Boot microservice architecture with modular components for scoring, data ingestion, and decision evaluation.
- Asynchronous event streaming using Apache Kafka to simulate real-world banking transaction flows and risk triggers.

Banking Web Application | React, Python, Flask, PostgreSQL, REST APIs, Render, JWT Auth

- Built a full-stack online banking system featuring secure user authentication, account creation, deposits, withdrawals, transfers, and real-time transaction history.
- Developed a Flask REST API with JWT authentication, PostgreSQL persistence, and modular route architecture.
- Live Here: <https://banking-frontend-4cyc.onrender.com/>

EDUCATION

Bachelor of Computer Science (Honours) – Carleton University – *Graduated June 2025*

Leadership and Interests

Founder & Creative Director — Endure Company (Nov 2025 – Present)

Developing a youth-focused lifestyle and mental-wellness brand built to empower young people to push through hardships and strengthen their communities.