

Emmanuel Richmond

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PROFESSIONAL EXPERIENCE**Software Developer Intern**

Council of Ministers of Education, Canada | Feb 2025 – July 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 | Sep 2024 – Jan 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 | Advanced Java, Spring Boot, Angular, Apache Kafka, PostgreSQL, Docker, REST APIs, Google Cloud, RxJS

- Designed and deployed a full-stack, event-driven credit risk platform using Spring Boot microservices, Kafka-based asynchronous processing, and PostgreSQL, coupled with Google Gemini AI integration to evaluate credit applications in real time.
- Live Here: <https://creditriskfrontend.onrender.com>

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.
- Live Here: <https://banking-frontend-4cyc.onrender.com/>

Kickoff Toronto | Swift, Firebase, Vite, Xcode, Capacitor, React, Supabase

- Built and shipped an iOS app using Capacitor + React (Vite), with routing, animations, API integration, maps, and App Store release workflow.
- Live Here: <https://apps.apple.com/us/app/kickoff-toronto/id6759130969>

EDUCATION

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