

## 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.
- Wrote and debugged Python and JavaScript scripts to automate repetitive IT support and data-handling tasks.
- Collaborated with the platform and data teams to integrate system monitoring features and improve workflow reliability.
- Managed user authentication and access control through internal software dashboards.
- Delivered bilingual (English/French) user support and training for newly deployed software systems.

### Software Developer Intern

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

- Designed and implemented internal **web applications** improving workflow efficiency.
- Wrote clean, maintainable **Python** and **JavaScript** code following best practices.
- Created **unit and integration tests**, reducing production bugs and improving stability.
- Collaborated with product teams to design and implement Ads products.
- Authored **technical documentation** to support long-term maintainability.

### 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.
- Automated routine troubleshooting and configuration tasks to improve team efficiency.
- Collaborated with developers to escalate bugs, validate fixes, and support deployment of enhancements.
- Managed user access, security permissions, and documentation across internal systems.
- Delivered clear bilingual (English/French) technical support to non-technical end users.

## 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, GO, Scala

**Tools & Platforms:** Git & GitHub, Docker, AWS (EC2 / S3 / Lambda), 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

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.
- Created a responsive React frontend integrated with a hosted backend using Axios and environment-based API routing.
- Deployed the entire system using Render, including automated database migrations and production-ready API endpoints.
- Live Here: <https://banking-frontend-4cyc.onrender.com/>

## EDUCATION

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

## MY BRAND

### ENDURE COMPANY

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

Developing a youth-focused lifestyle and mental-wellness brand built to empower young people to push through hardships and strengthen their communities. Designed the brand identity, messaging, and apparel concepts (hoodies, tees, hats, accessories). Built early digital presence across Instagram/TikTok and designed marketing strategies targeting Gen Z audiences. Coordinating with manufacturers for custom garments and responsible for brand direction, storytelling, and community engagement initiatives.