Taiwo Rabiu

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EDUCATION

McMaster University   Sep 2020 − May 2025
Computer Engineering (Co-op) B.A.Sc. ***GPA: 3.8/4.0***   *Hamilton, Ontario*
- **Relevant Coursework:** Data Structures and Algorithms, Advanced Computer Networking and Security, Fundamentals of Machine Learning, Operating Systems, Distributed Systems, Real-Time Programming Systems
- **Honors/Awards:** Golden Key International Honor Society (2022), Dean's Honor List (2020-2024), President's Scholarship (2020)

EXPERIENCE

Amazon   Toronto, Ontario
Software Development Engineer (SDE) Intern   *May 2024 − Aug 2024*
- Developed and implemented **APIs using Java Spring** and **Object-Oriented Programming (OOP)**, boosting workflow efficiency and enabling seamless retrieval of employee activity details
- Built and integrated **UI components with Angular.js** and deployed them using **AWS services**, improving the interface for over **3,000 managers** and enhancing the experience for **1.3 million workers+** across **Europe and North America**
- Conducted **20+ code reviews**, ensuring **100% adherence** to coding standards and improving overall code quality by **25%**
- Refined **UI/UX** design, reducing user error rates by **20%** and enhancing the resilience and accuracy of key application features, resulting in a **100% increase in user satisfaction**

TD Bank   Toronto, Ontario
Software Engineering Intern / Backend Engineer   *May 2023 − Dec 2023*
- Developed a **Java** automation tool, reducing manual processing by **50% and errors by 30%**
- Enhanced project efficiency using **Agile/Scrum**, contributing to improved customer satisfaction
- Facilitated a zero-loss data migration project, demonstrating strong data management capabilities
- Built and maintained **RESTful APIs** with **Spring Boot**, improving system integration and performance, leading to a **20% reduction in response times**
- Fostered team collaboration across engineering disciplines, ensuring high-quality software development

PROJECTS

Smart Home Automation Project   Aug 2023
- Programmed an IoT-based home automation system using Raspberry Pi, demonstrating proficiency in **Python and JavaScript**, and the ability to work on versatile, low-cost hardware platforms
- Designed and deployed a user-friendly web application with **React, Next.js and Google App Engine** to remotely control various smart devices, including lights, thermostats, door locks, and security cameras
- Integrated **AI technologies** such as machine learning **object recognition** for intelligent and automated control
- Ensured system security through data encryption techniques, highlighting cybersecurity competence

Personal Finance Automation Project   Sep 2023
- Built a monthly expense tracker with Google Forms and Sheets automation using **Google Apps Script**
- Automated new sheet creation monthly with custom expense sorting and response-driven calculations
- Streamlined expense visualization by month and year for improved financial oversight
- Designed an intuitive **Google Sheets interface** for simplified financial tracking
- Showcased **JavaScript** and **Google Apps Script** expertise in data process automation

SKILLS

Programming: 7+ years of experience including Python | Java | C/C++ | JavaScript | React | Next.js | Spring/Spring Boot | HTML5 | CSS3 | Node.js | Ruby on Rails

Cloud: AWS | Google App Engine | Docker

Version Control: Git | SourceTree

Operating Systems: Linux/Unix

Database Management: SQL | PostgreSQL | MongoDB | DynamoDB