

Olasubomi Badiru

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EDUCATION

MacEwan University

Sept. 2020 - 2025

BSc. Computer Science, Math minor | GPA: 3.8/4.0

Edmonton, AB, Canada

Relevant Coursework: Computer Organization and Architecture, Data Structures and Algorithms, Computer Networks, Computer Security, Relational Databases, Object-Oriented Programming, Mathematical Statistics, Human-Computer Interaction

TECHNICAL SUMMARY

Languages: Python, TypeScript, C, Java, C#, Kotlin, JavaScript, MIPS, SQL, HTML/CSS

Libraries & Frameworks: React, NestJS, Django, JQuery, Express, Node.js

Development Tools: Docker, AWS, Pulumi, Postman, Sentry, RabbitMQ, Microsoft Fabric, Redis, Postman, Wireshark, SonarQube, Grafana, Kubernetes, ArgoCD, Kong API Gateway

EXPERIENCE

Data Analyst Intern — Reliance Infosystems (Canada - Remote)

Jan. 2025 - March 2025

- Designed and implemented dashboards and visualizations using Power BI, and communicated key performance indicators to stakeholders.
- Leveraged Microsoft Fabric to optimize data analytics workflows and ETL pipelines for updating analytical dashboards.

Backend Software Engineering Intern — Earna (Canada - Remote)

Sept. 2024 - Jan. 2025

- Managed Kubernetes cluster deployments on AWS using ArgoCD, ensuring efficient and automated application delivery and maintained **99.99%** service uptime.
- Integrated Kong API Gateway to manage, secure, and monitor microservices, optimizing API performance and security, and provided support by analysing server logs with Grafana
- Developed and maintained backend services using NestJS and TypeScript with Docker, and achieved optimal code quality with a score of **90%** coverage on SonarQube, ensuring efficient and scalable server-side applications.

Software Developer Intern — Riipen (MacEwan University)

Oct. 2022 -Dec. 2022

- Developed interactive learning modules for finance courses using Django and React, improving student engagement.

PROJECTS (links attached)

Data Warehousing Application For a University System:

C#, SQL, Ms DBMS

- Developed a data warehousing application in C# and SQL to improve data management for a university system.
- Designed ETL processes, optimized data models, and enhanced data accessibility and reporting using stored procedures.

Developer Assistant Chatbot:

React, Express.js, TypeScript, Python-Flask

- Developed a chatbot plugin with a React frontend and an Python-Flask backend, designed for seamless integration into existing projects.
- Implemented features to assist customers with transaction-related queries and provide developers with real-time support for product integration.

Facial Recognition Student Attendance Application:

Python, Matplotlib, OpenCV, QtDesigner, Firebase

- Developed a Python-based facial recognition application, with QtDesigner for the UI, OpenCV for facial recognition, and Firebase for real-time database querying.

Subsurface Data Visualization Software:

Python, Matplotlib

- Developed a Python-based application for visualizing 2D Ground Penetrating Radar (GPR) data and generating 3D cubes using compiled GPR data. Utilized NumPy and Pandas for data processing, Matplotlib for visualizations, and CustomTkinter for the user interface.
- This work will help advance non-intrusive exploration and search for the graves of Canadian residential school victims.

CERTIFICATIONS

Microsoft Azure Fundamentals - **AZ-900**

2025

HONORS & AWARDS

Dean's List (June 2024, June 2023, June 2022, June 2021)

- Recognizes full-time students who maintain a grade-point average of 3.7 or higher in two consecutive terms

Chancellor's Continuing Scholarship (October 2023, October 2022, October 2021)

- A value of \$14,000 issued to international students with a GPA between 3.7 and 4.0 in two consecutive Fall and Winter terms while enrolled in a minimum of 12 university-level credits for each term

EXTRACURRICULARS

Vice President of Administration, Black Students' Alliance, MacEwan University

2022- 2024

- Collaborated with the executive team to advance diversity, inclusion, and advocacy initiatives, fostering empowerment for Black students.

Golden Key International Honour Society

September 2023-Present

- Academic organization that recognizes the top 5% of students for excellence in academics, leadership, and service, offering opportunities for growth, scholarships, and networking.

References

- Available upon request