Olasubomi Badiru

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EDUCATION

MacEwan University   Sept. 2020 - 2025

BSc. Computer Science, Math minor | GPA: 3.8/4.00   Edmonton, AB, Canada

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

TECHNICAL SUMMARY

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

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

Development Tools: Docker, Wireshark, Postman, Sentry, RabbitMQ, Kong API Gateway, Redis, Postman, Wireshark, SonarQube, Grafana

EXPERIENCE

Reliance Infosystems — Data Analyst Intern (Lagos/Canada - Hybrid)   `   Jan. 2025 – Present
- Conducted data analysis to extract actionable insights, driving informed decision-making for business strategies.
- Designed and implemented dashboards and visualizations using **Power BI**, enabling stakeholders to monitor key performance indicators.
- Automated repetitive data processing tasks using **Python/SQL**, improving efficiency and reducing manual effort.
- Collaborated with cross-functional teams to identify data-driven solutions for operational challenges.

Earna — Backend Software Engineering Intern (Remote)   Oct. 2024 - Jan. 2025
- 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 ensured optimal code quality using **SonarQube,** ensuring efficient and scalable server-side applications.
- Authored and published an **npm** TypeScript **package** to translate error messages, streamlining, and standardizing server error responses.

PROJECTS (links attached)

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.
- Development for this project was conducted using agile methodology and unit-test driven development. A team of two developers collaborated over three months to complete the project.

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.

Property Assessment Data Visualization Application: **Java**, **ArcGIS**

- Created an application for visualizing Edmonton property data using **JavaFX** for the user interface and ArcGIS for geospatial analysis.
- Enabled users to interact with and analyze property data efficiently.

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

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