

Olumide Oluwale-Moore

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PROFILE:

As a recent Computer Science graduate with First Class Honours and four years of experience at a thriving company, I have a strong background in programming, software development, and project management. My hands-on experience has enhanced my technical abilities across many languages and frameworks, while also instilling an uncompromisable commitment to customer-centric solutions. With experience in agile workflow, I'm driven to deliver results that matter, assessed by customer satisfaction and delivery time. I am enthusiastic about innovation, continuous learning, producing high-quality results and making a lasting impact.

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, PHP, VBA, HTML/CSS, C#

Web Technologies: Django, FastAPI, Node.js, Laravel, React, Vaadin Spring Boot, TailwindCSS

Data Management: SQL, MonogoDB, Amazon S3

Developer Tools: Git, Docker, AWS Cloud, Nginx, Postman

EDUCATION:

Aston University, BSc Computer Science

Sept 2021 - June 2024

Grade: First Class Honours

Core modules:

- Computer Systems	(93)	- Information Security	(91)
- Programming Language Concepts	(91)	- Internet Applications & Database Design	(90)
- Object-Oriented Programming	(87)	- Software Engineering	(87)
- Artificial Intelligence	(89)	- Multi-Agent Systems	(83)
- Data Structures & Algorithms	(84)	- Techniques for Data Analysis (Data Mining)	(81)
- Team Project	(74)	- Individual Project	(74)
- Human-Computer Interaction	(72)	- Computational Intelligence	(79)
- Advanced Database Systems and Geographic Information Systems	(82)		

Lambeth College

Sept 2018 - July 2020

L3 BTEC Extended Diploma in Electrical & Electronics Engineering

Grade: D*DD

EXPERIENCE:

Ruane Construction and Design Consultancy

Sept 2020 – Present

Software Developer

As the sole software developer at RCDC, I focus on the company's wider strategy to fully digitalize all operations, by proffering solutions through development of systems that automate multiple operations and supported ad-hoc tasks that improve business operations.

- Developed an internal multipurpose system that largely streamlines project execution, resources, invoices, etc, with the use of Python PyQt5, Pandas, MongoDB, Microsoft Access.
- Launched multiple solutions simplifying intricate building design and net zero calculations, such as a bespoke Excel VBA tool for the industry's CIBSE TM54 (calculating operational energy usage of buildings), which transformed a two-week job into one day.
- Accountable for managing software projects at fast pace by iteratively reviewing objectives, timelines and collaborating actively to ensure project success.

RGS Care

March 2022 - July 2022

Software Developer

A short-time project for a client in the Healthcare industry.

- Deployed a care report system which uses transmitted data from environmental sensors to provide real-time insights on motion, thermal comfort, air quality and virus risk to care clients.
- Using Ubidots API and JavaScript jQuery, I retrieved, processed and presented the data with appealing visualizations comprehensible to the staff care audience.
- Incorporated the system with an error handling mechanism to proactively notify users about sensor failures, ensuring data accuracy and preventing inconsistent interpretations.

Research and Development Analyst (Summer Intern)

- Completed projects using C# WPF applications which helped to automate the team's tedious tasks and file management processes.
- Collaborated closely with engineers on projects, enhancing communication approaches and professional relationships.
- Gained insights into project collaboration and programming best practices.

PROJECTS:

Air Quality Web Interface

Final Year Project, Aston University

- Developed an innovative web application to provide the public real time and historical data on air quality.
- Implemented features for data trends, sensor comparison, health advisories, and optimized performance using Pandas for data processing as well as implementing data caching mechanisms.
- Conducted in-depth domain analysis to gather insights, technical and usability testing to ensure the application's performance and accessibility.
- Feedback from usability evaluation revealed the system's optimal success in informing users about air quality.

Technologies Used: Django, Pandas, Chart.js, Leaflet.js, JavaScript, PostgreSQL, Tailwind CSS, Canva

React App Hosting with AWS S3 and CloudFront

- Designed and deployed a React web application using AWS S3 for static hosting and CloudFront for content delivery, achieving low-latency performance for global users.
- Configured S3 buckets, set bucket policies for public access, and enabled static website hosting.
- Set up Route 53 to manage DNS records and direct custom domain traffic to the hosted app, ensuring secure access with HTTPS.
- Documented the process to standardize deployment and assist others in replicating the architecture.

Technologies Used: AWS S3, CloudFront, Route 53, React.js, JavaScript, HTML/CSS

Room Decor E-commerce Website

- Collaborated with a team to launch a highly responsive e-commerce website with an integrated inventory management system.
- Took responsibility of the backend development and database management, implementing robust solutions to optimize performance, security, and data integrity.
- Conducted rigorous unit and integration testing in JUnit to ensure flawless functionality and reliability.
- Supported with the frontend during a critical phase before the deadline.

Technologies Used: MVC Architecture, Vaadin Spring Boot, Java, JUnit Testing, MySQL, Thymeleaf, HTML/CSS, Bootstrap, JavaScript, Git, Chrome debugging tools, Lucidchart, Trello.

Custom VPC Design and EC2 Deployment

- Architected a custom Virtual Private Cloud (VPC) with public and private subnets to host scalable AWS services securely.
- Configured an Internet Gateway, NAT Gateway, and Route tables to manage internal and external traffic effectively.
- Deployed EC2 instances within the VPC for public and private environments, enabling secure SSH access and private-to-public server communication.
- Acquired valuable knowledge in developing a secure and efficient network communication for cloud-hosted applications.

Technologies Used: AWS VPC, EC2, Internet Gateway, NAT Gateway, Route tables, Security Groups

CERTIFICATION:

Microsoft Certified: Azure AI Fundamentals

HOBBIES AND INTERESTS:

- Programming
- Piano
- Music
- Reading