SAMUEL ADEWOLE ODU

BSc (Hons) Software Engineering
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Professional Summary

First-class BSc (Hons) Software Engineering graduate with expertise in full-stack development, AI, and data-driven solutions. Proficient in Java, Python, C#, C++, .NET, and front-end frameworks like ReactJS and Vue, with hands-on experience in developing AI-powered tools and web applications. Adept at problem-solving, collaborating in fast-paced environments, and delivering innovative solutions aligned with industry standards. Seeking a software engineering role to drive technological excellence.

Technical Skills

Languages: Java (8+), Python, C#, C++, JavaScript
Frameworks/Libraries: Spring Boot, ReactJS, Vue, Node.js, .NET, Hibernate/JPA
Databases: SQL, Relational Databases (MySQL/Postgres exposure via modules)
Web & APIs: HTML, CSS, RESTful APIs, Microservices
Tools & Practices: Git, Azure DevOps (CI/CD), Agile/Scrum, Docker basics, UML, Maven/Gradle, TDD (Junit/pytest)

Key Projects

- **AI article summarizer (Java/Spring Boot & React, 2026):** Full-stack project with Spring Boot backend (Spring AI + Ollama local LLM), RESTful APIs, JWT authentication, Jsoup URL retrieval, H2 persistence, and admin features; React frontend with responsive UI, history search, and dual input modes. Dockerized for easy deployment—a secure, privacy-conscious summarisation tool.
- **Book management system (C++, 2023):** Built a desktop application for a bookstore to manage inventory and sales, reducing manual processing time by 30%. Implemented robust data structures for efficient data handling.
- **Successfully designed a website logo for a small local grocery store.**
- **AI Phishing Detection Tool (Python, 2025):** Designed an AI-driven tool to detect phishing emails with 80% accuracy, leveraging machine learning algorithms and pattern recognition. Deployed in a simulated environment for testing.
- **Health Chatbot with RAG & Accuracy Tracking (Python, 2026):** AI chatbot with RAG (Hugging Face/FAISS), Ollama local inference, real-time F1-scoring (66.1% accuracy on 9 intents), Chain-of-Thought reasoning, LoRA fine-tuning, Gradio UI/voice support, and 100% test pass rate—full lifecycle development with ML monitoring.

Education

BSc (Hons) Software Engineering   **2023-2025**
University of Huddersfield, England:

Key Modules:

- Large-Scale Software Engineering **(A)**
- Data-Driven Artificial Intelligence **(A)**
- Distributed and Client Server Systems **(A)**
- Advanced Web Programming **(B)**
- Algorithms and Data Structures **(A)**
- Relational Databases and Web Integration **(A)**

A-Levels   **2022**

The Great Lakes College of Toronto:

Computer Science **(A)** Physics **(A)** Advanced Functions **(A)** Calculus and Vectors **(A)** English **(A)** Chemistry **(A)**

Secondary Education **2019-2021**
Hallel College Boarding School:

Transcript available upon request

Additional Achievements

- Awarded the best footballer award in the 2018 Camp Sunflower Laugh and Learn Football tournament, Nigeria.
- Awarded The Best in arts and crafts tournament in the 2018 Camp Sunflower Laugh and Learn Arts and Crafts tournament, Nigeria.
- Nominated for a Global Award at the University of Huddersfield.
- Awarded the best footballer award in the 2019 Camp Sunflower Laugh and Learn Football tournament, Nigeria.

Certifications

- West African Senior School Certificate – **Hallel College, Nigeria. (2021)**
- Introduction to Python – **The Great Lakes College of Toronto, Canada. (2022)**
- **BSc (Hons)** in Software Engineering (First Class) – **The University of Huddersfield, England. (2025)**

Employment

December 2024 – December 2025
Warehouse Operative (EVRi Warehouse, Barnsley, England):
- Order Fulfillment: Efficiently picked, packed, and prepared orders for dispatch in a fast-paced environment, ensuring accuracy and timely delivery.
- Team Collaboration: Worked closely with team members to meet daily productivity targets while upholding high quality and safety standards.

July 2022 – December 2022
Store Employee (Pick n' mix minimart, Rivers State, Nigeria):
- Providing excellent customer service by greeting customers, answering their questions, and assisting them with product selection.
- Working collaboratively with other sales assistants, supervisors, and store management to achieve sales targets, maintain store standards, and contribute to a positive work environment.

January 2022 – July 2022
Retail Sales Assistant (Eagle's Nest Plaza, Rivers State, Nigeria):
- Engaged customers effectively, enhancing their brand perception and encouraging purchase decisions. Managed cash and card payments promptly, minimizing waiting times.
- Keeping the plaza clean, tidy, and well-maintained throughout the day. This included tasks such as sweeping, dusting, organizing displays, and ensuring that products are properly labelled with prices and information.

Interests

In addition to computer science, sports and human health are two more subjects that I have always been interested in. Beyond my academic pursuits, I value leading a well-rounded life, which is why I consistently take pleasure in sports like football, table tennis, and weightlifting that improve my physical health.

References

Available on request