Young Jesse Otormin

Software Developer

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EDUCATION

Babcock University – BSc. Computer Science (Second Class Upper, CGPA: 4.28/5.00) *January 2022 – July 2025*

- Relevant Coursework: Machine Learning, Artificial Intelligence, Compiler Construction, Data Structures & Algorithms, Statistical Methods, Database Systems, Modelling & Simulation, Object-Oriented Programming, Numerical Methods & Analysis.

WORK EXPERIENCE

Software Development Intern – Cyberspace Limited

Jan 2024 – Jun 2024

- Completed a six-month internship bridging theoretical knowledge with hands-on application through real-world software development projects.
- Created the **RunGroup** Web Application with **ASP.NET MVC** and **Bootstrap**, integrating **Cloudinary** for image storage and **IPinfo** for location-based group recommendations.
- Designed and developed a **CRUD-based Quiz API** using **ASP.NET** to handle quiz content, user management, and secure interactions.
- Participated in system design sessions and code reviews, rapidly learning best practices in building secure, **RESTful** services and database schemas.
- Developed the **CyberPay Authentication API**, implementing secure endpoints with **ASP.NET**, **JWT**, **Swagger**, **SendGrid**, **Hangfire**, and **NLog** for user registration, login, and account management.
- Engineered a GPA & CGPA Calculator, Weather App, and Logic-Based Games (Rock-Paper-Scissors, Tic-Tac-Toe) with **HTML**, **CSS**, and **JavaScript**, strengthening core front-end skills.
- Designed a responsive **Static E-commerce Website** with modern HTML, CSS, and JavaScript for practice in clean **UI/UX** and **responsive design**.
- Gained practical experience in version control (**Git**, **GitHub**), API design, responsive front-end development, and delivering production-ready solutions.

PROJECTS

FarmConnect – Direct Farm-to-Consumer Marketplace & Farm Job Posting Platform

Full-Stack Developer | Apr 2025 – Jun 2025

- Developed a web marketplace tackling high food costs and unemployment in Nigeria.
- Built with **PHP**, HTML, CSS, **Bootstrap**, JavaScript, and managed with **phpMyAdmin**.
- Enabled farmers to post/edit/delete products and jobs; consumers purchase categorized produce.
- Workers browse job posts, apply with cover letters, and track applications.

Facial Recognition System for Online Examination Authentication

Lead developer | Jan 2025 – Mar 2025

- Tackled impersonation in online exams with a secure **face recognition system** using **Python**, **TensorFlow**, **Keras**, and **OpenCV**.
- Captured student images at registration; verified live webcam feeds at login using a **Convolutional Neural Networks** (**CNN)** trained on 13,000+ images with **Triplet Loss**.
- Managed user data with **MySQL**; used **LabelEncoder**, **Pickle**, and **Scikit-learn** for streamlined model operations.
- Alerted admins via email if an impostor was detected.
- Integrated a quiz front-end with HTML, CSS, and JavaScript.

JobEntry – Recruitment & Talent Portal

Full-Stack Developer | Nov 2024 – Dec 2024

- Built a job platform connecting recruiters and job seekers(Talents) in Nigeria.
- Recruiters post, edit, and delete listings (full-time/part-time) and manage applicants via dashboards.
- Talents browse jobs, apply with cover letters, track statuses, and share posts for visibility.
- Backend developed in PHP, styled with Bootstrap, HTML, CSS, JavaScript and data handled via phpMyAdmin.

ScholarDesk – University Course Management System

Full-Stack Developer | Sept 2024 – Oct 2024

- Reimagined a complex university portal into a user-friendly course management system.
- Teachers, admins, and students register and log in; students authenticate with matriculation number, staff with email/password.
- Admins manage departments, courses, student enrollments, and grades.
- Teachers select courses, manage grades, track attendance.
- Built with PHP, HTML, CSS, JavaScript, and phpMyAdmin.

CyberPay Authentication API – Authentication System for CyberPay Customers

Backend Developer | Jun 2024 – Aug 2024

- Designed and implemented a secure authentication API for the CyberPay platform using ASP.NET, **SQL Server**, and **JWT**, providing robust user registration, login, email confirmation, and password reset flows.
- Integrated Swagger for clear API documentation and endpoint testing, ensuring smooth collaboration with frontend and QA teams.
- Configured SendGrid API for transactional email delivery, managing user confirmations and password resets efficiently.
- Implemented Hangfire to handle background jobs such as scheduled email dispatch and token clean-up tasks.
- Added robust logging and monitoring with NLog, boosting observability and debugging during production deployments.
- Followed best practices for secure token management, role-based authorization, and **RESTful API** design to meet enterprise-grade standards.

Quiz API – Teacher & Student Assessment Platform

Backend Developer | Apr 2024 – May 2024

- Designed a secure quiz API with ASP.NET, JWT, SQL Server, Swagger, SendGrid, Hangfire, and NLog.
- Teachers register/login (Staff ID), manage courses, departments, and multiple-choice questions.
- Students log in (Matric number), answer questions with answers locked to prevent cheating.

- Integrated Swagger for live API tests, SendGrid for notifications, and Hangfire for background tasks.

RunGroup – Running Club Management Web Application

ASP.NET MVC Developer | Feb 2024 – Mar 2024

- Built a community platform for users to discover and join running clubs and events.
- Developed with ASP.NET MVC, JWT, SQL Server, Bootstrap, and HTML.
- Used Cloudinary for image storage and IPinfo for location data.
- Users can create, edit, or delete runs/clubs, and sign up for activities.

SKILLS

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

Frameworks & Libraries:

Backend: ASP.NET, ASP.NET MVC, RESTful APIs, JWT Authentication, Hangfire, NLog

Frontend & UI: Tkinter, Bootstrap

Machine Learning & AI: TensorFlow, Keras, Convolutional Neural Networks (CNN), OpenCV, LabelEncoder (Scikit-learn), Pickle

Databases & Tools:

Microsoft SQL Server, MySQL, phpMyAdmin

Swagger for API documentation and testing

Version Control: Git, GitHub

Core Skills: Full Stack Web Development, RESTful API Design, Database Design & Management, JWT Authentication, Front-End Responsive Design, Technical Writing & API Documentation.

Soft Skills: Leadership, Collaboration, Attention to Detail, User-Centered Design, Security-Conscious Development, Initiative, Problem Solving, Effective Communication, Time Management.