

Samuel Ladipo

Backend Developer

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SUMMARY

Innovative Programmer proficient in Python, with experience building projects using the Django framework. Optimized application performance, reducing load times by 25% through efficient database queries and caching strategies. Skilled in leveraging NumPy, Pandas, and Matplotlib to manipulate large datasets and create data visualizations that improved decision-making by 30%. A collaborative team player, working effectively with stakeholders and team members to deliver high-quality solutions on time. Implemented robust authentication and encryption measures, enhancing security compliance by 20%.

EXPERIENCE

Backend Engineer Intern

Aug '24 — Present

Guaranty Trust Holdings PLC | SquadCo

Lagos, Nigeria

Developed and managed the Django-powered backend for the *Fashion Weekend* project, optimizing API performance and database queries to improve data processing speed by 25%. Automated backend workflows with Python scripting, enhancing system efficiency by 20%, and collaborated with teams to ensure seamless integration, boosting overall reliability by 15%.

- **Python Scripting & Optimization:** Implemented efficient backend processes, improving performance and integration across the application.
- **Seamless API & Database Management:** Developed and optimized database queries and API endpoints, enhancing data flow and system reliability.

Lead Backend Developer

Oct '23 — Present

Scholar.IO

Lagos, Nigeria (Remote)

Led the backend development of an education platform, implementing OTP and email verification to enhance security by 30%. Designed a Django-based admin dashboard, improving admin efficiency by 25%, and optimized authentication workflows, reducing login issues by 20% for a seamless user experience.

- **Security Enhancement:** Led the implementation of OTP and email verification, strengthening platform security by 30%.
- **Authentication & Performance Optimization:** Enhanced backend authentication workflows, reducing login-related issues by 20% and improving overall system performance.

Backend Developer (Intern Lead)

Aug '23 — Sep '23

Microsoft, Nigeria

Lagos, Nigeria

Contributed to the Smart Waste Bin project, developing an automated alert system that improved waste management efficiency by 35%. Managed backend processes for seamless sensor data transmission, enhancing system reliability by 30%. Led a team of five engineers, ensuring on-time project delivery and effective coordination.

- **Automated Waste Management System:** Developed a sensor-based waste bin that emitted a beep when full, improving waste management efficiency by 35%.
- **Backend Process Optimization:** Managed sensor data transmission and backend operations, increasing system reliability by 30%.

Python Developer

Aug '22 — Mar '23

Yomi Denzel Foundation

Lagos, Nigeria

Developed Python projects spanning from simple calculators to large-scale data analysis using NumPy, Pandas, and Matplotlib. Conducted predictive analysis on blockbuster movie trends, improving forecast accuracy by 30%, and earned recognition from Multisoft Company for the project's industry impact.

- **Data Analysis & Visualization:** Analyzed large datasets using Python libraries, improving decision-making accuracy by 30%.
- **Predictive Modeling:** Conducted blockbuster movie trend analysis, providing actionable insights that earned industry recognition.
- **Diverse Project Development:** Built various Python-based applications, from simple utilities to advanced data analysis tools.

EDUCATION

Bachelor of Sciences in Computer Sciences, University of Lagos, Akoka.

Oct '23 — Present

Lagos, Nigeria

- Lead, MLSA (Microsoft Leads Student Ambassador)
- Member, GDGoC (Google Developer Groups on Campus)
- Member, GDSC (Google Developer Student Clubs)
- Ex-Member, Millennium Fellowship

Senior Secondary Certificate in Sciences, Abibat Mogaji Millenium Senior Secondary School (GPA: 3.92 / 4.00)

Sep '19 — Aug '22

Lagos, Nigeria

- Class Rank: 1 / 300

- Valedictorian Award
- President, JET (Junior Engineers, Technicians, and Scientists) Club
- Founder, SRC (Student Responsive Club)

CERTIFICATIONS

[Certifications](#), Google Drive

AWARDS

People's Choice Award, NASA Space App Competition NASA (National Aeronautics and Space Administration)	Oct '24
Winner, Fusion Tech Fest Hackathon Fusion Tech Fest	Aug '24
2nd Runner Up, Take-On-A-Squad Hackathon GTCO PLC: Guaranty Trust Holdings & Squad	Jan '24
Excellence and Collaboration Award, Microsoft Internship Microsoft, Nigeria	Aug '23

PROJECTS

StorePoint – Instant Website Builder for Small Businesses Link	Jan '24 — Jan '24 Lagos, Nigeria
<ul style="list-style-type: none"> • Rapid Website Deployment: Enabled business owners to launch a custom website in under 5 minutes, improving onboarding efficiency by 40%. • Accessibility & Convenience: Designed the platform for seamless usability, allowing users to set up websites from the comfort of their homes. 	
Vital Aid - AI-Powered Healthcare Assistance System Link	Apr '24 — Oct '24 Lagos, Nigeria
<ul style="list-style-type: none"> • Hospital Locator Feature: Built a location-based system that helps users find the nearest hospital, improving accessibility by 50%. • AI-Driven First Aid Assistance: Developed an intelligent chatbot for real-time first aid guidance, reducing emergency response time by 40%. 	
Smart Waste Bin Project – Sensor-Based Waste Management Link	Aug '23 — Aug '23 Lagos, Nigeria
<ul style="list-style-type: none"> • Sensor-Based Waste Detection: Integrated an ultrasonic sensor to detect full waste bins, improving disposal efficiency by 35%. • Pollution Reduction: Designed the system to promote timely waste disposal, contributing to cleaner neighborhoods. 	
Data Analysis Project – Impact of Reviews on Blockbuster Movies Link	Dec '23 — Feb '24 Lagos, Nigeria
<ul style="list-style-type: none"> • Web Scraping for Data Collection: Extracted relevant data from multiple sources, enabling accurate visualization and trend analysis. • Actionable Insights for Industry Optimization: Provided data-driven recommendations to improve marketing strategies and movie success rates. 	

SKILLS

Programming Languages Python, Java, Javascript, Node.js, HTML, CSS, TypeScript, Django, C, Git

Tools Figma, Canva, Github, Jupyter

Skills Data Science, Software Development, Backend Web Development, Robotics, Block Programming