Samson Amos

Software Developer

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Professional Summary

Seasoned Software Developer with over 5 years of experience in crafting scalable, high-performance applications. Expertise in Python, JavaScript, and cloud technologies, with a proven track record in designing efficient APIs and leading teams to success. Recently built a cutting-edge serverless backend for a ride-sharing app, featuring real-time tracking and secure payments. Passionate about innovation and eager to contribute to Pististechub's mission.

Skills

- **Programming:** Python (OOP, Data Structures, Algorithms), JavaScript, TypeScript
- **Frontend:** React, Tailwind CSS, API Testing and Integration
- **Backend:** Django, Django REST Framework, FastAPI, Express.js, Node.js
- **Databases:** PostgreSQL, MySQL, MongoDB, AWS S3, DynamoDB
- **DevOps & Cloud:** Docker, Jenkins, Git, CI/CD, AWS EC2, AWS Serverless Stack
- **Methodologies:** Agile Development, Test-Driven Development, Microservices Architecture

Professional Experience

Backend Developer

Pistis Tech Hub, Remote (Lagos, Nigeria)   March 2024 – Present

- Engineered high-performance API endpoints using Django REST Framework, boosting system efficiency by 30% for 2,000+ concurrent users.
- Led a team of 3 engineers to deliver critical API solutions, cutting development time by 20% through streamlined workflows.
- Integrated Paystack and Flutterwave payment gateways into an e-learning platform, increasing user satisfaction by 15%.
- Containerized deployments with Docker and set up a CI/CD pipeline, reducing deployment time from 4 hours to 1 hour.
- Migrated to AWS EC2 with load balancing, decreasing downtime by 10% and improving resilience.

Backend Developer

ApeXpress   January 2025 – Present

- Architected a scalable, serverless microservices backend for a ride-sharing platform using AWS Lambda, API Gateway, and DynamoDB.

- Implemented real-time features with WebSocket API and Redis, enabling live ride tracking and notifications.
- Developed a secure authentication system with JWT, Google OAuth 2.0, and multi-factor authentication.
- Integrated Stripe for payment processing and Twilio/SendGrid for multi-channel communication.
- Designed a file management system with S3 presigned URLs for secure document handling.

Backend Developer Intern

Nhub Foundation, Jos South   February 2020 – December 2021

- Built RESTful APIs with Django and FastAPI, enhancing system efficiency by 20%.
- Collaborated on backend functionalities, reducing development time by 15%.
- Ensured code quality and security, decreasing vulnerabilities by 10%.

Education

Abubakar Tafawa Balewa University, Bauchi State, Nigeria

B.Tech in Computer Science   January 2017 – September 2021

- **Relevant Coursework:** Data Structures, OOP, Web Development, DBMS
- **Capstone Project:** Developed a full-stack web application for the university library using Django and React, streamlining book borrowing processes and increasing efficiency by 30%.

Projects

Heart Disease Prediction Web App

- Built a full-stack application with Django REST Framework and React.js.
- Integrated a machine learning model (94% accuracy) using Scikit-learn, NumPy, and Pandas.
- Deployed on Render with Docker and CI/CD for seamless updates.
- **Tech:** Python, Django, React, Docker, ML libraries
- **Links:** Render | GitHub

E-Learning Platform

- Designed a scalable backend for 500+ concurrent users with role-based access.
- Implemented secure payment processing with Paystack and automated receipts.
- Deployed on AWS EC2 with load balancing and Redis caching.
- **Tech:** Django REST Framework, Docker, AWS, PostgreSQL, Redis
- **Link:** learn.pististechub.io

ApeXpress Ride-Sharing Platform

- Developed a serverless microservices backend with AWS Lambda, API Gateway, and DynamoDB.

- Enabled real-time ride tracking and notifications using WebSocket API and Redis.

- Integrated Stripe for payments and Twilio/SendGrid for communications.

- **Tech:** AWS Serverless, Node.js, Express.js, Redis, WebSocket API

Social Media Links

- GitHub

- LinkedIn