Solomon Olungweonwi

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Education

Rivers State University, Oct 2015 - March 2020

Bachelor of Electrical Engineering

- **Key Courses:** Computer Science, Microprocessor Systems, Digital Electronics, Control systems, Embedded Systems and IoT

Skills

Cloud: AWS (EC2, S3, ECS), Docker, Linux, Bash, CI/CD Pipelines

Backend: Python, JavaScript (Node.js), Rest APIs, PostgreSQL, C (Systems programming)

Tools: Git, Agile/Scrum, MySQL

Certifications

- ALX Software Engineering
- AWS Certified Cloud Practitioner (In Progress)

Professional Experience

Backend software engineer | African leadership Xcelerator (Nairobi, Kenya)

- Built scalable REST APIs using Python/Flask and Node.js, deployed on AWS EC2 with Docker containers.
- Designed a service-oriented architecture (SOA) for a blog application, improving scalability by 40%.
- Automated CI/CD pipelines using Git and Bash scripting, reducing deployment time by 25%.
- Collaborated with cross-functional teams to deliver cloud-based solutions using PostgreSQL and AWS services.

Projects

TaskSimplify (Cloud-Based Task Management)

- Developed a full-stack web app with Node.js, PostgreSQL, and AWS S3 for file storage.
- Deployed using Docker containers on AWS ECS, ensuring high availability and scalability.

Simple Shell (Systems Programming)

- Built a UNIX-like shell in **C**, simulating CLI workflows for cloud server management (e.g., process scheduling, I/O redirection).

Hobbies & Interests

- **Piano Tutoring:** Trained 15+ students remotely using Zoom/Google Meet.
- **Music Production:** Created stems/performances for choirs and artists leveraging DAW (Studio one 5) for collaborative work.