JONAH UKA C.

Nigerian

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SUMMARY

- Cloud Computing Enthusiast: 2 years of experience and certifications in AWS CCP, AWS SAA, KCNA, and Google IT Support Specialization.
- Technical Problem Solver: Experienced in Python, .NET, AWS, GCP, Azure, Linux, Shell Scripting, Terraform, and networking with a portfolio of personal and commercial projects.
- Team Player and Leader: Mentor at AltSchool Africa and Student Advocate at Cecure Intelligence Limited (CIL) Academy, with membership in the Google Developer Student Club at the University of Lagos.

EDUCATION

University of Lagos – Lagos, Nigeria
B.Sc., Biomedical Engineering

AltSchool Africa – Lagos, Nigeria
Diploma, School of Software Engineering - Cloud

Yaba College of Technology – Lagos, Nigeria
National Diploma, Computer Engineering

CERTIFICATIONS

Kubernetes and Cloud Native Associate
AWS Solutions Architect - Associate
Google IT Support Specialization
AWS Certified Cloud Practitioner

PROJECTS

Zone Tribe Wallet - [frontend](#), [backend](#)
- A crypto wallet created with React and TypeScript on the frontend and .NET on the backend. It utilizes SepoliaETH as its blockchain network and NEthereum for communication with the blockchain. Both applications are deployed as containers.
- Tools used: Docker, ASP.NET, React.js, TypeScript.

[Multi-cloud API Infrastructure (GCP and AWS)](#)
- Developed an API that enables users to assess the risks and profitability of trading strategies. The API generates risk metrics and offers insights into potential gains or losses.
- Tools used: Python, Flask, Google App Engine, AWS EC2, AWS SSM, AWS DynamoDB, and AWS Lambda.

[Automate the deployment of a web app to Azure Kubernetes Service (AKS) via Terraform and GitHub Actions](#).
- Built a simple Python blog web application with Flask
- Containerized the web application and deployed it through Terraform to AKS.
- Configured a CI/CD pipeline with GitHub Actions to automate the build and deployment process.
- Tools used: Python, Flask, AKS, Terraform, Docker, SQLite 3, Gunicorn

[Microservices Architecture with Amazon Kubernetes Service](#)
- Deployed and hosted 2 microservice applications: a socks shop application and a voting application using Terraform, Docker, AWS EKS, CircleCI, Prometheus, and Grafana

[AWS Multi-AZ Application Architecture](#)
- Designed and implemented a highly available application architecture using AWS ELB, Terraform, Route53, and Ansible
- Utilized the Centre for Internet Security (CIS) Benchmarks to ensure adequate security within hosted servers.

WORK EXPERIENCE

Cloud Administrator   December 2024-Present
Igoglobal International Inc.—Hybrid
- Manage data access for the organization
- Reduced email marketing cost by more than 66% over a year.
- Monitor cloud infrastructure and applications on AWS, Azure, and GCP.

Graduate Software Engineer Intern   December 2024-June 2025
Zone —Remote

Lead Mentor (Cloud & DevOps)   January 2024-October 2024
BlueCedar Foundation For Skills And Youth Empowerment—Remote
- Curated content and curriculum development for beginners and intermediate mentees.
- Provided support and guidance to mentees through weekly virtual practical sessions.

AWS Cloud Architect Intern   May 2023-March 2024
African Leadership X, Africa (ALX)—Lagos, Nigeria
- Designed and deployed 10+ multi-tier cloud architectures using AWS services for 16 weeks
- Achieved a certification in AWS; Certified Cloud Practitioner.

Azure DevOps Intern   September 2023- December 2023
Knixat (A Perizer Company)—Remote
- Participated in and completed weekly sprints involving over 10+ projects using Terraform.
- Automated the deployment of functions, logic app workflows, static websites, and multiple architectural implementations.

Cloud Engineer Intern   April 2022- June 2023
AltSchool Africa, Lagos, Nigeria
- Led a team of 10 cloud engineering students to collaborate on projects as the team lead
- Authored "Step-by-Step Guide on How to Configure a Private Nginx Server in AWS using Ansible," which showcased the use of a bastion host, a load balancer, and Ansible to deploy two private Nginx EC2 instances on AWS.
- Deployed two Microservices apps to a multi-tenant Kubernetes cluster as a personal capstone project.

Software Engineer Intern (Rice360 Summer Internship)   September 2021-November 2021
Rice University / Unilag Design Studio, Lagos, Nigeria

VOLUNTEER ACTIVITIES

Mentor, AltSchool Africa   March 2023 - December 2023
Enabling 20+ students in different tracks (Frontend, Backend, and Cloud Engineering) to successfully overcome challenges faced in their journeys through the software engineering program.

Student Advocate, Cecure Intelligence Limited Academy   March 2023 - October 2023
Actively coordinating with a team of 18 student advocates to ensure that there is adequate and time-bound information flow between and among the students, as well as with the host organization, CIL Academy.

Member, Google Developer Student Club, University of Lagos   February 2020 - October 2024
Actively organized technology-oriented events and functions as part of the operations and welfare team.

SKILLS

- Cloud Services (AWS, Azure)
- Scripting (Bash, PowerShell)
- Terraform
- Ansible
- Linux
- CI/CD (Github Actions, CircleCI)
- Python

INTERESTS

- Cloud Computing
- Information Technology
- DevOps

LANGUAGES

- English - Native
- German - Elementary
- Yoruba - Elementary
- French - Elementary