SARAH ALIGBE

CLOUD/DEVOPS ENGINEER

CONTACT

Phone:	+2348116092182
Email:	sarahligbe12@gmail.com
Location:	Abuja, Nigeria
Portfolio:	sarahligbe.live
Blog:	sarahligbe.hashnode.dev
LinkedIn:	Sarah Aligbe
Github:	Sarahligbe

TECHNICAL SKILLS

- AWS
- Python, Shell scripting
- Linux
- Jenkins, Github Actions
- Docker, Kubernetes
- Ansible
- Terraform
- Prometheus
- Git
- HTML, CSS, JavaScript
- ArgoCD
- Technical writing

EDUCATION

Diploma in Cloud Engineering
AltSchool Africa
Apr 2022 - Apr 2023

Bachelor of Science, Science Laboratory Technology
University of Benin, Benin City, Edo State
Graduated: Dec 2022

EXPERIENCE

Open Source Contribution

Eclipse Adoptium

- Collaborated with a team of Engineers to implement and maintain Nagios monitoring and alerting solutions.
- Developed custom plugins and scripts to enhance Nagios functionality, including a script to add and remove defined Nagios host checks, reducing manual check maintenance by 60%.
- Acquired hands-on experience in Nagios administration and monitoring.

Technical Projects

Automating a Multi-tenant EKS Cluster

- Deployed an AWS Elastic Kubernetes Service (EKS) cluster using Terraform, consisting of two applications in different namespaces.
- Configured Prometheus to scrape the endpoints of the applications and displayed monitoring metrics on a Grafana dashboard, allowing for improved observability and rapid debugging of issues.
- Utilized Loki for logging, enabling centralized log management and easier debugging of issues across the entire infrastructure.
- Implemented a scalable infrastructure using Karpenter, which automatically manages node groups and scales resources based on application demand, reducing operational overhead and improving application performance by 30%.
- Configured SSL with Cert Manager and Let's Encrypt, improving security and ensuring that traffic is encrypted.
- Set up CI/CD using Github Actions and ArgoCD, which automates the deployment process, reducing deployment time by 50% and increasing developer productivity.

Provisioning of AWS Infrastructure using Terraform and Ansible

- Provisioning of AWS Infrastructure using Terraform and Ansible
- Boosted the speed and efficiency of provisioning AWS infrastructure comprised of VPC, EC2, Route53, and Application Load Balancer by 80% using Terraform.
- Integrated Ansible within the Terraform configuration file to configure an Apache web server on the EC2 instances created.
- Used Terraform to automate the process of adding nameservers to Name.com using the namedotcom provider making the process 100% faster than manually adding the nameservers.

Automating a Web App Deployment on AWS

- Automated the installation and configuration of a Laravel web application using Ansible playbooks, thereby making the overall process 70% more efficient.
- Deployed the application on Amazon Web Services (AWS) using EC2 Instances.
- Reduced the time for manual installation and setup by 70% through the development of a bash script to install and configure a PostgreSQL database.
- Integrated Ansible Vault to ensure secure encryption of sensitive information, including database credentials reducing the risk of security breaches by 100%.
- Achieved a grade of 97% on the project, demonstrating mastery of the relevant skills and technologies.