Brave Okafor

Cloud Platform Engineer (Data, DevOps)

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SUMMARY

With over six years in the industry, I specialise in developing efficient, scalable cloud solutions on platforms like Azure, GCP, and AWS.

I'm proficient in implementing CI/CD pipelines, automating infrastructure, and orchestrating applications using tools such as Docker, Kubernetes, Terraform, and GitHub Actions.

I prioritise system reliability and performance and am committed to continuous learning and collaboration in the dynamic tech landscape.

EXPERIENCE

KPMG LLP (MBS), Malta - *Cloud Architect Consultant*

APRIL 2022 - PRESENT

- Designed and implemented client cloud infrastructure, focusing on availability, scalability, and security.
- Managed cloud resources using Infrastructure as Code (IaC) tools like Terraform and Pulumi.
- Containerised and managed applications using Docker, Kubernetes, ArgoCD, Helm, and other technologies.
- Designed and implemented production data pipelines using Apache Beam, Apache Spark, Apache Kafka, and Apache Airflow.
- Implemented CI/CD pipelines using GitHub Actions, GitLabCI, and Cloud Build.
- Configured monitoring and alerting with Prometheus, OpenTelemetry, and other solutions.
- Developed monitoring and alerting strategies for SLAs, SLIs, Error Budgets, and SRE metrics.
- Designed infrastructure for specific Recovery Point Objectives (RPO), Recovery Time Objectives (RTO), and Disaster Recovery (DR) requirements.
- Conducted incident triage, report generation, and runbook development for incident management.
- Trained client engineers in infrastructure, performance, and security best practices.
- Automated and orchestrated platform engineering tasks using Python and Golang.
- Supported multiple languages/ecosystems, including Java, C++, Python, and Golang.

eTranzact International Plc, Lagos Nigeria - *Enterprise Architect (Infrastructure)*

OCTOBER 2021 - APRIL 2022

- Created system architecture and infrastructure for company services.
- Implemented APIs and database schemas for company services.
- Oversaw the deployment of infrastructure and CI/CD pipelines, collaborating with stakeholders including Business, UI/UX, Backend, Frontend, and SRE teams.
- Generated documentation for infrastructure.
- Provided support for Java (Tomcat) SpringBoot applications in production on Azure VM and Azure App Service.

Upwork, Remote - *Cloud Architect Consultant*

JULY 2019 - NOVEMBER 2021

Provided expertise in cloud engineering and DevOps for a variety of projects, focusing on designing, implementing, and improving cloud infrastructure and services.

Major clients/ projects included:

Bluevector.ai/ New York State Department of Labor:

Provisioned infrastructure using Terraform; developed CI/CD pipelines using GitHub actions and CloudBuild; containerised application code using Docker.

Translation Excellence:

Trained custom language models using Google Cloud AutoML; developed AutoML pipelines for model retraining; built services for batch and single translation using Python.

Tynes Data Science:

Implemented data warehouses and event-driven data pipelines using Azure services; managed IoT workloads with Azure Digital Twins; managed CI/CD with GitLab and Azure DevOps.

Freelance, Remote - *Web developer*

OCTOBER 2012 - JULY 2019

- Developed websites using Python, Node.js, and PHP.
- Utilised databases like MySQL, PostgreSQL, Firebase (Datastore).
- Deployed web applications on GCP, AWS, Azure, and PAAS providers like Netlify, Heroku.
- Managed applications on shared hosting services like DreamHost, HostGator.

CERTIFICATIONS

- Certified Kubernetes Administrator - The Linux Foundation
- Terraform Associate (002) - HashiCorp
- AWS Certified Solutions Architect - Professional - Amazon Web Services
- Professional Cloud Architect - Google Cloud
- Professional Cloud DevOps Engineer - Google Cloud
- Professional Cloud Security Engineer - Google Cloud
- Professional Data Engineer - Google Cloud
- Professional Machine Learning Engineer - Google Cloud
- Azure Solutions Architect Expert - Microsoft

SKILLS

Programming Languages:

Python, Golang, JavaScript

Cloud Providers:

Google Cloud, AWS, Azure.

Cloud Tools:

Terraform, Kubernetes, Docker, Helm, Kustomize, Terragrunt, Ansible, Packer, Prometheus, Grafana, Datadog, Splunk, ELK stack, CloudWatch.

Data Tools:

Apache Beam, Apache Spark, Apache Airflow, Apache Kafka.

Databases:

MySQL, MongoDB, PostgreSQL, BigQuery.