

# Brave Okafor

Certified Cloud Architect

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 <https://github.com/braveokafor>

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## Summary

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### • DevOps | SRE | Platform | Cloud Engineer

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

My expertise encompasses CI/CD pipeline implementation, infrastructure automation, and application orchestration using tools like Docker, Kubernetes, Terraform, and GitHub Actions.

I prioritise system reliability and performance, committed to continuous learning and collaborative innovation in the evolving tech landscape.

## Experience

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### • KPMG LLP (MBS)

April, 2022 - Current

Cloud Architect Consultant

- Design, migrate, and implement client system infrastructure, focusing on availability, scalability, and security.
- Manage cloud resources using IaC tools like Terraform and Pulumi.
- Containerise and orchestrate applications via Docker and Kubernetes using ArgoCD, Helm etc.
- Develop data pipelines using BigTable, BigQuery, EventArc, and Dataflow.
- Implement CI/CD pipelines using GitHub Actions, GitLabCI, and Cloud Build.
- Configure monitoring and alerting systems with Prometheus, Open Telemetry, and other solutions.
- Develop monitoring and alerting strategies for SLAs, SLIs, Error Budgets, and SRE metrics.
- Design infrastructure for specific RPO, RTO, and DR requirements.
- Conduct incident triage, report generation, and runbook development for efficient incident management.
- Train client engineers in infrastructure, performance, and security best practices.
- Automate platform tasks using Python and Golang.

### • eTranzact International Plc

October, 2021 - April, 2022

Enterprise Architect (Cloud Infra)

- Designed system architecture and infrastructure for regulated workloads.
- Implemented APIs and database schemas.
- Oversaw deployment of infrastructure and CI/CD pipelines, collaborating across teams.
- Generated infrastructure documentation.
- Supported Java (Tomcat) SpringBoot applications on Azure VM and Azure App Service.

### • Upwork

July, 2019 - November, 2021

Cloud Architect Consultant

Delivered cloud engineering and DevOps expertise across various projects.

Designed, implemented, and improved cloud infrastructure and services.

New York State Department of Labor / Bluevector.ai Cloud Architect, GCP

- Provisioned infrastructure using Terraform.
- Developed CI/CD pipelines with GitHub Actions and CloudBuild.
- Containerised application code using Docker.
- Maintained GCP Contact Centre AI workloads.

Translation Excellence Platform Engineer

- Trained custom language models using Google Cloud AutoML.
- Created AutoML pipelines for model retraining
- Developed a self-service portal for translation services using Google Cloud APIs.
- Built services for both batch and single translation using Python.

Tynes Data Science SRE Engineer (Data)

- Implemented datawarehouses using services such as Azure Synapse Analytics, Data Lake, etc.
- Designed event-driven data pipelines using Azure services such as Azure Functions, EventHub, etc.

- Implemented data pipelines and developer portals using Python.
- Managed IoT workloads with Azure Digital Twins.
- Managed CI/CD with GitLab and Azure DevOps.

- **Freelance**

October, 2012 - July, 2019

Fullstack Web Developer

- Developed websites using Python (Flask), Node.js (MERN), PHP (LAMP).
- 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

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- **Google Cloud Certified: Professional Cloud Architect**
- **Google Cloud Certified: Professional Cloud Security Engineer**
- **Google Cloud Certified: Professional Data Engineer**
- **Google Cloud Certified: Professional Cloud DevOps Engineer**
- **Google Cloud Certified: Professional Machine Learning Engineer**
- **AWS Certified Solutions Architect - Professional**
- **CKA: Certified Kubernetes Administrator**
- **HashiCorp Certified: Terraform Associate (002)**
- **Microsoft Certified: Azure Solutions Architect Expert**
- **Microsoft Certified: Azure Administrator Associate**
- **Microsoft Certified: Azure AI Fundamentals**

## Projects

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- **Docker Healthchecker (<https://github.com/braveokafor/healthchecker>)**  
Health Checker is a Lightweight Utility for HTTP Health Checks in Distroless Docker Environments.
- **GKE ArgoCD (<https://github.com/braveokafor/gke-argocd>)**  
ArgoCD on GKE with integrated Google Cloud optimisations and security

## Skills

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- **Cloud Providers**  
Google Cloud, AWS, Azure
- **Containerisation and Container Orchestration**  
Docker, Docker Compose, Kubernetes, Helm, Kustomize, ArgoCD, Istio.
- **IaC and Configuration Management**  
Terraform, Terragrunt, Pulumi, Ansible
- **CI/CD and SVCs**  
Git, GitHub, GitLab, GitHub Actions, GitLab CI, Jenkins.
- **Application Performance Monitoring**  
Prometheus, Datadog, Splunk, ELK stack, Grafana, Stackdriver (GCP Cloud Operations), Cloud watch.
- **Programming and Scripting**  
Python, Bash, Go (basic), Java (basic), JavaScript (basic).
- **Data Solutions**  
Kafka, RabbitMQ, Apache Beam, KubeFlow, Google Cloud EventArc, Azure EventHub
- **Databases**  
MySQL, MongoDB, PostgreSQL, BigQuery
- **Operating Systems**  
Linux (Debian/ Ubuntu, RHEL/CentOS)
- **System Design and Documentation**  
Confluence, Draw.io, Markdown, RST, UML.

## Education

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- **Nnamdi Azikiwe University Awka, Nigeria**  
Bachelor of science