

Ikenna Anasieze

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Cloud & AI Solutions Engineer

SUMMARY

Cloud & AI Solutions Engineer with 2.5+ years hands-on experience designing and deploying scalable cloud systems on AWS, Azure, and GCP. Skilled in building CI/CD pipelines, managing containers with Docker and Kubernetes, and using Terraform for infrastructure automation. Experienced in DevOps and MLOps, focusing on performance, security, and cost efficiency for modern, intelligent and data-driven applications.

CERTIFICATIONS

Amazon Cloud Practitioner – Dec 2023
Microsoft Azure Fundamentals – April 2024
Google Cloud Essentials – April 2025
Microsoft Azure AI Associate – Oct 2025

CATEGORY	TOOLS & SKILLS
Cloud Platforms & Architecture	<ul style="list-style-type: none">- AWS (EC2, S3, RDS, Route 53, IAM, CloudFront, ACM, RDS, DynamoDB, ASG, ELB),- Google Cloud (Compute Engine, Vertex AI, Cloud Run, Cloud Function, Cloud Storage, Cloud SQL)- Microsoft Azure (Azure Compute, Azure AI, Azure Functions, Cognitive Services, Blob Storage)
DevOps & Infrastructure Automation	<ul style="list-style-type: none">- Terraform, CloudFormation, Docker, Kubernetes, GitHub Actions, GitLab, CI/CD, AWS CodePipeline, GitOps, Version Control (Git)
Machine Learning & AI	<ul style="list-style-type: none">- Vertex AI, Amazon Bedrock, Microsoft Azure AI, Computer Vision, NLP, LLM Integration, Model Deployment, Inference Pipelines, Azure AI Foundry
Programming & Scripting	<ul style="list-style-type: none">- Python, GoLang, Bash, PowerShell
Cloud Security & Networking	<ul style="list-style-type: none">- IAM, KMS, VPC, Security Groups, SSL/TLS, Network Routing, Monitoring & Logging (CloudWatch, Prometheus, Grafana)
Serverless & Microservices	<ul style="list-style-type: none">- AWS Lambda, API Gateway, DynamoDB, EventBridge, Cloud Functions, Pub/Sub
Soft Skills / Professional	<ul style="list-style-type: none">- Documentation, Team Collaboration, Cloud Design Thinking
Additional Tools & Systems	<ul style="list-style-type: none">- Linux, Virtualization, System Administration

EXPERIENCE

Cloud & AI Solutions Engineer | Vosyn

01/2025 to Present

- Designed and maintained a cloud-native speech transcription pipeline on GCP for real-time and batch audio processing, improving data throughput by 45%.
- Automated deployments using CI/CD pipelines (CodePipeline, CodeBuild, GitHub Actions, Cloud Build, Cloud Run), reducing manual overhead by 40% and accelerating release frequency by 3×.
- Implemented a serverless backend using AWS Lambda, API Gateway, and DynamoDB, integrated with Amazon Bedrock models for LLM inference, achieving 35% faster end-to-end response times.
- Containerized microservices (FastAPI, Whisper, NeMo, T5) with Docker, orchestrated on GKE, Vertex AI, and Cloud Run, boosting model inference efficiency by 30%.
- Provisioned infrastructure via Terraform (IaC) across AWS and GCP, standardizing resource management and cutting setup time by 60%.
- Enhanced reliability and uptime by integrating Cloud Logging, Cloud Monitoring, and Alert Policies, maintaining 99.9% API availability.
- Collaborated with ML and QA teams to integrate Machine learning post-processing tools, improving transcript accuracy metrics by 20%.
- Optimized cloud cost and performance, implementing auto-scaling, right-sizing, and storage lifecycle rules, reducing cloud spend by 25%.
- Developed Python and Bash automation scripts for environment validation, resource cleanup, and log rotation, saving 8+ engineer hours weekly.
- Ensured compliance with AWS and GCP best practices for architecture, cost, and security management, maintaining a robust and reliable cloud environment.

Associate Cloud Engineer | Nowayo

09/2023 to 01/2025

- Deployed AWS CloudFormation stacks to automate provisioning across development, staging, and production environments for Nowayo's escrow payment systems, improving infrastructure consistency and reducing setup time by 60%.
- Designed and implemented CI/CD pipelines using CodeCommit, CodeBuild, and CodePipeline, cutting manual deployment effort by 70% and increasing release frequency.
- Architected fault-tolerant systems with EC2, RDS, and Elastic Load Balancer, improving uptime and user reliability during peak payment traffic.
- Migrated legacy workloads to AWS Cloud using SMS and DMS, enhancing scalability and lowering operational overhead by 40%.
- Built and managed auto-scaling groups that improved resource availability by 50%, optimizing performance during traffic spikes.
- Built auto-scaling groups to dynamically manage compute resources, improving system availability and performance by 50%.
- Developed serverless payment validation and fund-release workflows using AWS Lambda, API Gateway, and DynamoDB, automating financial processes and reducing reconciliation effort by 40%.
- Configured CloudWatch dashboards and SNS alerts for proactive monitoring of transaction latency, API performance, and system health, enabling real-time anomaly detection.

- Provided first-level technical support for over 150+ end users across Windows OS, Office 365, Teams, and SharePoint, achieving a 95% issue resolution rate within SLA timeframes.
- Assisted in user account management via Microsoft Azure Active Directory (Azure AD) and on-prem Active Directory.
- Supported Microsoft 365 service configurations (Exchange, OneDrive, Teams), enabling smoother cross-department collaboration and cutting setup delays by 25%.
- Helped monitor and maintain cloud-based resources via Microsoft Azure Portal under supervision.
- Participated in troubleshooting Azure Virtual Machines (VMs) and remote desktop issues, improving remote accessibility and system uptime to 99%.
- Maintained IT asset inventory, assisted with hardware setups, and documented support procedures and solutions.
- Supported hybrid environments involving both on-premises and cloud services.
- Followed best practices in data security, backup, and user access management in a Microsoft cloud environment.

Mathematics & Computer Science Teacher | Command Secondary School

09/2018 to 08/2020

- Designed and delivered lessons for Years 10–14 in Mathematics and Computer Science.
- Developed differentiated instructional materials for mixed-ability classes.
- Taught programming (e.g., Python) and computational thinking.
- Integrated technology to enhance classroom engagement (e.g., interactive whiteboards, online quizzes).
- Managed school tech club / coding club.
- Participated in parent-teacher conferences and curriculum development.

EDUCATION

Master's Oil & Gas Engineering	Memorial University	2024 to 2025
Bachelor's Petroleum Engineering	Covenant University	2012 to 2018