Ikenna Anasieze

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Location: Canada

LinkedIn
Github
Portfolio

Cloud Solutions Engineer

SUMMARY

A Cloud & AI Solutions Engineer proficient in designing and implementing cloud-native smart application infrastructure, automated CI/CD pipelines, and leveraging major cloud platforms such as AWS, Azure, and GCP for cost-effective, scalable solutions. Demonstrates expertise in containerized services with Docker and orchestration environments like Kubernetes and excels in Infrastructure as Code using Terraform and CloudFormation. Possesses robust domain knowledge in both MLOps and DevOps cloud-native developments, emphasizing security, scalability, and operational efficiency while ensuring compliance to best practices.

CERTIFICATIONS

AWS Cloud Practitioner – Dec 2023
Microsoft Azure Fundamentals – April 2024
Microsoft Azure AI Associate – Oct 2025

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.
- Automated deployments using CI/CD pipelines (Code Pipeline/Code Build, GitHub Actions, Cloud Build, Cloud Run, and AWS), reducing manual overhead by 40% and accelerating release cycles.
- Containerized microservices (Fast API, Whisper, NeMo, T5) with Docker and prepared for orchestration via GKE.
- Leveraged Vertex AI for deploying NLP models, enabling scalable inference and improving processing speed by 30%.
- Implemented infrastructure as code (IaC) with Terraform, standardizing provisioning of GCP and AWS resources and cutting setup time by 60%.
- Implemented robust logging and diagnostics using Cloud Logging/Monitoring for enhanced traceability and 99.9% API uptime.
- Collaborated with ML teams to integrate post-processing tools (T5, NLTK) into the pipeline, improving transcript quality metrics.
- Designed and deployed secure, fault-tolerant architectures across AWS and GCP using VPCs, Load Balancers, EC2, and RDS, improving system reliability and uptime.
- Applied IAM policies and role-based access control to secure cloud environments, ensuring compliance with organizational security standards.
- Built automated backup and disaster recovery procedures, protecting data integrity and ensuring business continuity.
- Optimized cloud resource utilization and costs by implementing right-sizing and storage lifecycle policies, achieving up to 25% savings without impacting performance.
- Monitored performance and set up proactive alerting with CloudWatch and Cloud Monitoring, ensuring early detection and resolution of infrastructure issues.

- o Developed automation scripts in Python and Bash for routine maintenance, resource cleanup, and environment validation.
- o Ensured compliance with AWS and GCP best practices for architecture, cost, and security management, maintaining a robust and reliable cloud environment.

Cloud Engineer | Nowayo   **09/2023 to 01/2025**

- o Deployed infrastructure as code using AWS CloudFormation to automate resource provisioning and ensure environment consistency across development, staging, and production.
- o Designed and implemented CI/CD pipelines with AWS Code Commit, Code Build, and Code Pipeline, streamlining software delivery and improving release frequency by 70%.
- o Architected fault-tolerant and highly available systems using AWS EC2, RDS, and Elastic Load Balancing, improving uptime and minimizing downtime incidents.
- o Migrated on-premises workloads to AWS Cloud using AWS Server Migration Service and AWS Database Migration Service, enhancing scalability and reducing operational overhead.
- o Configured AWS Identity and Access Management (IAM) for secure user and group access, reducing security risks through role-based permissions and least privilege enforcement.
- o Built and managed auto-scaling groups that improved resource availability by 50%, optimizing performance during traffic spikes.
- o Configured Route 53 routing policies to direct user traffic efficiently across regions, improving latency and user experience.
- o Monitored and analyzed system performance using Amazon CloudWatch with automated alerts via Amazon SNS, enabling proactive issue resolution and reduced downtime.
- o Implemented Ansible for configuration management, automating software deployment tasks and ensuring consistent configurations across multiple Linux environments.
- o Developed and hosted static websites on AWS using S3, CloudFront, Route 53, Certificate Manager, and Code Pipeline for automated updates and SSL security. Ensured compliance with AWS best practices in architecture, cost optimization, and security management, maintaining a reliable and secure cloud environment.

IT Support Assistant | New Horizons Computers   **09/2020 to 09/2023**

- o Provided first-level technical support for Microsoft-based systems, including Windows OS, Office 365, Teams, and SharePoint.
- o Assisted in user account management via Microsoft Azure Active Directory (Azure AD) and on-prem Active Directory.
- o Supported the setup and configuration of Microsoft 365 services (email, OneDrive, Teams), including resolving common user issues.
- o Participated in basic troubleshooting for Azure Virtual Machines (VMs) and remote desktop connectivity issues.
- o Maintained IT asset inventory, assisted with hardware setups, and documented support procedures and solutions.
- o Supported hybrid environments involving both on-premise and cloud services.
- o 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**

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

Laboratory & Operations Intern | Dee Jones Oil & Gas   **01/2016 to 08/2016**

- o Conducted laboratory analysis of AGO, PMS, and DKP to ensure compliance with industry standards and regulatory requirements.
- o Performed routine quality control tests, including density, viscosity, and Sulphur content analysis, to monitor product quality.
- o Assisted in the preparation of detailed laboratory reports and communicated findings to senior engineers and management.
- o Contributed to the optimization of laboratory processes, reducing sample analysis time and improving overall

EDUCATION

Master's Degree, Oil & Gas Engineering | Memorial University, Newfoundland and Labrador   **2024 to 2025**

Bachelor's Degree, Petroleum Engineering | Covenant University   **2012 to 2018**

SKILLS

AWS Elastic Beanstalk	**ActiveMQ**	**Elasticsearch**
Solution Architecture	**Code Refactoring**	**RDS**
Amazon EC2	**Amazon Route 53**	**Elastic Load Balancing**
Linux	**Virtualization**	**GitHub**
Python (Programming Language)	**GitOps**	**Bash Scripting**
Go Lang	**Gitlab**	**DevOps and CI/CD**
Computer Vision	**Software Installation**	**Developer Tools**
Azure Infrastructure as a Service (IaaS)	**Networking**	**PowerShell**
NLP	**AWS Lambda**	**Microsoft Azure AI**
API Gateway	**Version Control**	**PC & Mac platforms**
Ansible	**AWS CICD**	**Kubernetes**
Systems, Networking, and Virtualization	**Docker**	**Service Deployment**
	Gcp cloud	**AWS Identity and Access**
Cloud Computing	**Azure Cloud**	**Management (AWS IAM)**
Amazon CloudWatch	**Cloud Development**	**Terraform**
Cloud Platforms and Architecture		