

Onyekachukwu Gibson Ekezie

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Skilled Cloud/Linux enthusiast committed to improving system design and operations for reliable workflow management. Implements security-conscious solutions. Creates easy-to-follow guidelines and troubleshooting documentation for non-technical staff.

AWS Experience

- AWS Infrastructure Scripting - CloudFormation, Terraform, Ansible
- AWS Core Services - EC2, CloudWatch, Parameter Store, Systems Manager, S3, CLI, Cost Explorer, SQS, SNS, Auto-Scaling Groups,
- AWS Networking Services - VPC, Security Groups, Subnets, ELB, Route 53, Cloudfront, Transit Gateway, VPN, Privatelink
- AWS Devops Services - CodePipeline, CodeBuild, codecommit
- AWS Security Services - Certificate Manager, IAM, KMS, AWS Config
- AWS Serverless Services - Lambda
- AWS Database Services - RDS, ElastiCache
- AWS Container Services – ECS

Azure Experience

- Azure Infrastructure Scripting - ARM Templates, Terraform, Ansible
- Azure Core Services - Virtual machines, virtual machine scale sets, Storage account, CLI, Azure pricing calculator, Azure Event Hub, Azure service bus, App service
- Azure Networking Services - Azure Virtual Network, Network Security Groups, Subnets, Application gateway, App service domain, dns zones
- frontdoor, Virtual network Gateway, VPN, Privatelink, Private endpoint
- Azure Devops Services - azure pipeline, azure repos, azure boards
- Azure Security Services - Key Vault, azure monitor, application insight, Azure AD, Sentinel, Log Analytics
- Azure Serverless Services - Azure functions, Azure Logic Apps, Automation accounts
- Azure Database Services - Azure SQL, Azure Cache of Redis, Azure Synaspe, Azure Data factory
- Azure Container Services - Azure Kubernetes Service, container Instance

Technical Skills

- Programming Languages - Python, HTML, CSS, goLang
- Scripting Language: Bash, Powershell
- AWS: Identity and access management, Image Builder, EC2, S3, RDS, Route 53, VPC, ELB, Autoscaling, CloudFront, CloudWatch, SNS, SQS and Lambda.
- Azure: Azure AD, Express route, Azure Virtual Machine, Storage accounts, App service plan, function app, Azure sql databases, Web apps, Load Balancer, Vnet and Azure service Bus.
- Linux: Managing users, configuring services, Apache-PHP-MYSQL setup, server configuration, Virtual host setup, network troubleshooting, using SSH to connect to remote hosts and general troubleshooting.
- Containers - Docker, Fargate, Kubernetes, Helm, Elastic Container Service (ECS), Azure Kubernetes Service.
- MS Server: Windows Server 2019, IIS Server, STIGS, STIG viewer.
- Databases - PostgreSQL, Oracle, MongoDB, MySQL, MS SQL, Server, DynamoDB, Athena, Redshift
- Tooling, Services & Libraries - Jenkins, Git, GitHub, Splunk, Nexus, Ansible, Prometheus, Nginx, FTP, SSH, Telnet, SMTP, whois, DNS, DHCP, Finger, HTTP, POP3, NetBIOS, IMAP, SNMP, IRC, TLS/SSL, nmap, VNC, TCP/IP, UDP, Vagrant, NPM, Bower, AMD, Terraform, Azure DevOps, Microservices, Packer+

Certifications

- [Microsoft Azure Security Engineer Associate](#)
- [Microsoft Azure DevOps Engineer](#)
- [Cisco Certified Network Associate](#)
- [Certified Kubernetes Administrator](#)
- [AWS Certified Solutions Architect-Associate](#)
- [AWS Certified DevOps Engineer – Professional](#)
- [AWS Certified Security Specialty](#)
- [Certified Kubernetes security specialist](#)

Education

Bachelor of Science: Biological Science

Anambra State University, Uli, Anambra State, Nigeria.

Work Experience

08/2022 - current

DevOps Engineer: Remote

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- Provided high level architectural diagrams for infrastructure set up on aws and azure cloud.
- Performed automation using tools like terraform, ansible, cloudformation, arm templates and packer.
- Wrote step by step documents for Implementation of cloud labs
- Built CI/CD pipeline using aws codepipeline.
- Used cloudformation to deploy secure landing zones for each cloud lab usecase.
- Experience in dealing with aws organizations and single sign-on.
- Worked on developing Ansible playbooks for the Cloud Automation and Infrastructure provisioning, creating the test environments with required configurations
- Performed design, deployment, configuration, and maintenance of scalable Cloud infrastructure with an intense focus on Quality, Security, high availability and fail over functionality.
- Setting up a database in AWS using RDS, storage using S3 bucket and configuring instance backups to S3 bucket to ensure fault tolerance and high availability.
- Design and develop Amazon EC2, Amazon Aurora, Amazon S3, Amazon RDS, Amazon Elastic Load Balancing, Amazon SWF, Amazon SQS, and other services of the AWS infrastructure.
- Used cloudformation to create complex managed policies, roles, and permission boundaries.

06/2022 – 02/2023

Azure Support Engineer: Remote

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- Provided high level architectural diagrams for infrastructure set up on azure cloud.
- Built azure devops Pipeline to automate the deployment of infrastructure using terraform.
- Performed automation using tools like terraform, ansible, arm templates and packer.
- Worked on creating Terraform modules to launch instances in Azure & automated process of creation of resources in Azure using Terraform.

- Experience in dealing with windows Azure services - Virtual Networks, Virtual Machines, Resource Groups, VPN, Load Balancing, Auto Scaling, Azure monitoring, Traffic Manager.
- ARM templates writing, setup automation for resources provisioning (Azure PowerShell)
- Used terraform to deploy infrastructure and manage state file remotely to ensure compliance with company's policies and detect drift in infrastructure.
- Performed design, deployment, configuration, and maintenance of scalable Cloud infrastructure with an intense focus on Quality, Security, high availability and fail over functionality.
- Configuring windows server features and deploying applications using PowerShell scripting.
- Applied STIGs to windows Server depending on organization's preferences.
- Deployed and managed azure data warehouse using terraform.
- Implemented central logging using event hub and log analytics.

04/2021 – 08/2022

DevOps Engineer: Remote
Astadia

- Provided high level architectural diagrams for infrastructure set up on aws and azure cloud.
- Built Jenkins Pipeline to automate the deployment of infrastructure using terraform.
- Performed automation using tools like terraform, ansible, cloudformation, arm templates and packer.
- Built CI/CD pipeline using tools like jenkins, azure devops, and aws codepipeline.
- Worked on creating Terraform modules to launch instances in Azure & automated process of creation of resources in Azure using Terraform.
- Experience in dealing with windows Azure services - Virtual Networks, Virtual Machines, Resource Groups, VPN, Load Balancing, Auto Scaling, Azure monitoring, Traffic Manager.
- ARM templates writing, setup automation for resources provisioning (Azure PowerShell)
- Worked on developing Ansible playbooks for the Cloud Automation and Infrastructure provisioning, creating the test environments with required configurations

- Performed design, deployment, configuration, and maintenance of scalable Cloud infrastructure with an intense focus on Quality, Security, high availability and fail over functionality.
- Configuring windows server features and deploying applications using PowerShell scripting.
- Applied STIGs to windows Server depending on organization's preferences.
- Setting up a database in AWS using RDS, storage using S3 bucket and configuring instance backups to S3 bucket to ensure fault tolerance and high availability.
- Used AWS Lambda, Python and AWS SDK Boto3 to sync data from S3 to another region to ensure disaster recovery plans are met.
- Design and develop Amazon EC2, Amazon Aurora, Amazon S3, Amazon RDS, AmazonElastic Load Balancing, Amazon SWF, Amazon SQS, and other services of the AWS infrastructure.
- Worked on developing Ansible playbooks for the Cloud Automation and Infrastructure provisioning, creating the test environments with required configurations

02/2021 - 11/2021

**Azure Administrator: Remote
Moneymart**

- Managed IAM (access control) on multiple azure subscriptions.
- Renewed self-signed certificates for azure automation accounts.
- Managed IAM policies, providing access to different Azure resources, design and refine the workflows used to grant access.
- Implemented and maintained the monitoring and alerting of production and corporate servers/storage using Azure monitor and log analytics.
- Add project users to the Azure account with multifactor authentication enabled and least privilege permissions.
- Worked on azure services like vnet, subnet, network security group, app services, application gateways, load balancers availability sets, virtual machines, and ARM templates
- Container technology such as Docker, Azure Kubernetes Service
- Created Service account for secure application access
- Built infrastructure on azure through the azure portal terraform or ARM templates.
- Planning and implementation of data and storage management solutions in Azure (SQL Azure, Azure files, Queue storage, Blob storage), Migrating the current code to CI/CD pipeline via Ant to Maven and Anthill Pro to Jenkins.
- Implementing scripts with Power Shell for Run books.
- Worked extensively on configuring, installing and migrating VM Servers.

- Configuring windows server features and deploying applications using PowerShell scripting.
- Create secure private storage account on companies on-prem network and connection to the account done through private endpoints.

05/2020 - 11/2020

DevOps & Infrastructure Engineer (Intern)

Bincom Dev, Lagos Nigeria

- Built infrastructure on aws from the aws console.
- Built S3 buckets and managed policies for S3 buckets and used S3 bucket and Glacier for storage and backup on AWS.
- Used Jenkins pipelines to drive all Microservices builds
- Configured and maintained Jenkins to implement the CI process and integrated the tool with Maven to schedule the builds.
- Created IAM custom policies.
- Configured LAMP stack on linux server.
- Used AWS Lambda, Python and AWS SDK Boto3 to automate the running and stop of EC2 instances in the Dev Environment to ensure that cost is effectively optimized.
- Worked on migration of On-Prem servers to EC2 in AWS Cloud.
- Wrote Cloud Formation Templates (CFT) in YAML format to build the AWS services with the paradigm of Infrastructure as a Code.
- Wrote CloudFormation Scripts to automate creation of the production stack
- Build, improve, maintain, support infrastructure as code.
- Effectively handle the integrating AWS services: EC2, S3, VPC Endpoints, VPC PrivateLink, VPC Peering, Transit VPC, Network Protocol, Subnetting (Private and Public), IPsec, VPN, Route53, ELB, Auto scaling, SQS, SNS, IAM, DynamoDB, Lambda, Amazon Kinesis, CloudFront, Cloud Formation, CloudWatch, CloudTrail, internet Gateway to have a well architecture framework.
- Implemented processes and procedures to improve overall efficiency in operations.
- Involved in maintaining the reliability, availability, and performance of Amazon Elastic Compute Cloud (Amazon EC2) instances.
- monitored AWS resources using Cloud Watch.