

AYO OLUYINKA

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AWS ENGINEER / DEVOPS ENGINEER/ AZURE & 0365 ADMIN

Experienced IT professional with skills including but not limited to capturing applications' functional and non-function requirements, mapping requirements to a set of AWS services- data, compute, storage, management, network, microservices and security, creating solution proposals in line with an organization's goals around performance, scalability, elasticity, security, management and monitoring and creating these solutions while democratizing advanced technologies. Hands-on experience in GIT (distributed version control tool), Ansible (Configuration Management Tools), Maven (Build tool), Docker (Container Based Tool) and Bamboo (Continuous Integration tool)

TECHNICAL CAPABILITIES

Cloud Orchestration / Automation: AWS CloudFormation, AWS Lambda, AWS Systems Manager, AWS SSM Parameter Store, Ansible, Docker, Jenkins, ECS, EKS, Terraform, Kubernetes

Security: AWS Security Hub, AWS Guard Duty, AWS Shield, AWS Firewall Manager, AWS Inspector, Microsoft defender for endpoint, Data loss Prevention

Monitoring and Event Management: AWS CloudWatch (Events and Logs), AWS SNS, AWS S3

Identity and Access Management: AWS Organization, AWS IAM, AWS AD Connector, Azure Active Directory, Azure AD Connect, AWS Workspaces, AWS Secrets Manager etc

Governance and Compliance: AWS Config Rules, AWS Organization, AWS Control Tower, AWS Trusted Advisor, AWS Well Architected Tool, AWS Budgets, AWS License Manager

Programming Languages: Bash, JSON, YML, Python, Terraform

Data Protection: AWS Certificate Manager, AWS KMS, Snapshot Lifecycle Manager, AWS CloudHSM

Self Service: Service Catalog, Microsoft Data Loss Protection

Network: VPC, VGW, TGW, CGW, IGW, NGW

Image and Patch: AWS SSM Patch Manager, AWS Golden AMI Pipeline, Microsoft SCCM

Azure /O365: Microsoft exchange & O365 automated scripting administration processes with PowerShell

Enterprise mobility features include Intune (MDM), Azure rights management, Azure ATP

EXPERIENCE

REED EXHIBITION August 2021 – Present

Cloud Devops Engineer

- Managing and Provisioning Infrastructure using IaC Terraform.
- Terraform Cloud Administration and User access
- Led a team to containerize applications and orchestrate using Kubernetes
- Build the entire Kubernetes cluster using Terraform and CI/CD for container deployment

- Designed, implemented, and managed all elements of the control plane and the worker nodes in a Kubernetes deployment, in addition to containerizing the applications that will run in the pods.
- Configure monitoring dashboards using necessary metrics required for infrastructure
- Involved in numerous migrations to cloud planning and deployment
- Code review and maintaining best practices in documentation
- Play a significant role in establishing operational process for cloud platforms
- Ensuring various level of security from IAM , KMS, WAF and third party Security tools for servers
- Always Learning to building automated processes where possible
- Contributing to team meetings, troubleshooting development and production problems across multiple environments and operating platforms

UNILEVER NA (Through Unisys), June 2017 – August 2021

AWS / Devops Engineer / Azure (O365) Administrator

- Leveraged different design principles for security in the cloud and implemented various AWS services to improve our security posture for Authentication, Authorization, Monitoring, Auditing, Encryption and Data path security.
- Implemented and managed Ansible Tower to scale automation and handle complex deployments.
- Set-up pipelines for nightly builds enabling, Build, Sonar, Security Scans, deploy, Smoke test and Performance test weekly regression suites for early detection of issues.
- Development and Enhancements of the “Insights” (DevOps Metrics Tool) and present the solution to Modern delivery Leads.
- Design release and change management automation through pipeline (including the approval process).
- Build and managed a Jenkins open-source automation server to deploy CodeBuild artifacts with CodeDeploy and constructed a functioning CI / CD pipeline with these tools to automatically deploy application version changes from GitHub to our production environment.
- Developed terraform modules and CloudFormation templates to provision infrastructures in cloud.
- Designed, implemented, and managed all elements of the control plane and the worker nodes in a Kubernetes deployment, in addition to containerizing the applications that will run in the pods.
- Managed various phases of the migration process, including portfolio discovery, application migration planning and design, migration execution, and post-migration validation and application optimization.
- Designed for high availability and business continuity using self-healing-based architectures, fail-over routing policies, multi-AZ deployment of EC2 instances, ELB health checks, Auto Scaling, and other models based on customer’s functional and non-functional requirements.

- Developed event processing architecture patterns with event trigger, logging, analysis, visualization, notification and responding.
- Developed and implemented DDoS-resilient architectures.
- Eliminated single point of failure in production architecture designs by deploying service instances (e.g., EC2 or RDS) across two or more isolated AZs based on our customer's actual resiliency and availability requirements.
- Leveraged Auto scaling groups to right-size EC2 pools to match the level of demand and helped to manage costs by eliminating excess capacity to maintain optimal level of resources.
- Democratized advanced technologies in our architecture patterns including leveraging ECS, EKS, Lambda functions, parameter store, DynamoDB etc.
- VPC build with Private and Public Subnet couple with VPNs setup back to on premise datacenter and corporate offices.
- Used AWS system manager to automate operational tasks across AWS resources.
- Used System Manager to automate operational tasks across customer's AWS infrastructure.
- Good knowledge on Route 53, Register A Domain Name, Setup Our EC2 Instances, Simple Routing Policy, Weighted Routing Policy, Latency Routing Policy, Failover Routing Policy and Health Checks and Geolocation Routing Policy.
- Setup code repositories like GIT.
- Setting up Infrastructure, Bootstrapping nodes, creating and uploading recipes.
- Setting up and working with Ansible, working with roles and Ansible Tower
- Working experience in using Ansible Ad-Hoc commands, Modules.
- Configuring the Docker containers by using Docker Images.
- Creating docker images by using docker file and from containers
- Having very good experience in working with Docker volumes and port mapping.
- Setting up of own docker registry
- Having very good knowledge in installation of Jenkins and configuring nodes.
- Working experience in using multiple plugins
- Integrating Jenkins with GIT and Maven, setting up of maven, CI and CD jobs
- Knowledge in configuring dependency jobs and maintaining CI in Jenkins

LOCALTECH LLC, April 2013 – June 2017

Azure / O365 Administrator/ AWS Engineer

- Managed provisioning of AWS infrastructures using CloudFormation and Terraform.
- VPC build with Private and Public Subnet couple with VPNs setup back to on premise datacenter and corporate offices.
- VPC peering with other accounts allowing access and routing to service and users of separate account to communicate.
- Implemented security best practices in AWS including multi-factor authentication, access key rotation, role-based permissions, enforced strong password policy, configured security groups and NACLs, S3 bucket policies and ACLs, etc.

- Built custom images through Docker server, Docker Compose with multiple local containers, and created production grade workflows and a continuous application workflow for multiple images.
- Implemented multiple container deployments to AWS and maintained sets of containers with deployments.
- Designed for high availability and business continuity using self-healing-based architectures, fail-over routing policies, multi-AZ deployment of EC2 instances, ELB health checks, Auto Scaling, and other disaster recovery models.
- Migrated high availability web servers and databases to AWS EC2 and RDS with minimum or no downtime.
- Exchange O365/ administration of Active Directory
- Microsoft Active Directory, NTFS permissions
- AD Migration - clean up\ Support.
- Exchange O365 account administration, troubleshooting, deployment and migrations.
- Automated user account administration (create user joiner or leaver, Assign licenses)
- Migrations - Mailboxes, Public Folders, User Profiles
- Microsoft Azure administration - AD Connect, Azure AD - setup, and configuration troubleshooting implementing and supporting Microsoft Lync audio and video Mobile Device management (Android, Apple, Blackberry)
- MS Teams administration
- RSA Secure ID Mobile Management
- OneDrive administration and support
- Windows Migration Tools
- VMware & Hyper V / Citrix- troubleshooting connectivity
- VPN troubleshooting
- Cloud\AD\Exchange account administration (modify and manage user accounts and group permissions).
- Manage Office 365 and Azure security and Authentication management.
- Deploy and provision apps for Single Sign On (SSO) services
- Administer Microsoft Active Directory (group memberships, shared drives access, policies and conditional access policies)
- Troubleshoot all Microsoft products including - Microsoft Active Directory, Dynamics, Exchange, OWA, Lync, and SharePoint administration
- User On/Offboard Management

FREELANCE IT CONTRACTOR, April 2011 – April 2013

Technical Support / System Engineer

- Set up workstations and necessary peripheral devices.
- Server Installation, Setup and Configuration
- Performs administration tasks, such as new joiner/ leaver process, user management,
- Managing desktop support ticket queue and analyzing SLA performance
- Windows systems or Windows Deployment Server
- Data Migration from PC to PC

- Install and configure appropriate software and functions according to specifications.
- Maintain local networks and other networks and manage components.
- Ensure security and privacy of networks and computer systems.
- Provide orientation and guidance to users on how to operate new software and computer equipment.
- Organize and schedule upgrades and maintenance.
- Perform troubleshooting to diagnose and resolve problems (repair or replace parts)
- Maintain records/logs of repairs and fixes and maintenance schedule for future references.
- Identify computer or network equipment shortages and place orders.
- Arrange maintenance sessions to discover and mend inefficiencies.
- Offer timely technical support.
- Server Installation, Setup and Configuration
- INFINIDAT Storage array, Nodes, Disk Enclosure, Installation, Services and Configuration
- Desktop/Laptops general troubleshooting (Software & Hardware)
- Solve complex System issues and update resolutions for future reasons.

Education

- BSc. Computer science and Information Technology

Certifications/Licenses

- AWS Solutions Architect Associate.
- Certified Kubernetes Administrator
- Microsoft Azure administrator Associate
- Terraform Associate (In Progress)
- MCSA: Windows Server 2016
- INFINIDAT Storage System Certified Engineer
- CompTIA A+