Ayo Oluyinka

Bridgeport, Connecticut

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Summary

An Experienced Cloud & DevOps Engineer with hands on experience, povisioning, supporting, automating and monitoring Deployments in the Cloud, leveraging IaC tools, CI/CD, and DevOps processes 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 leveraging updated technologies. Hands-on experience in GIT (distributed version control tool), Terraform (Infastructure as Code Tool), Ansible (Configuration Management Tools), Maven (Build tool), Docker (Container Based Tool) and Bamboo (Continuous Integration tool)

Skills

- **Languages:** HCL, Python, Bash, Json, Yaml, Powershell
- **Software:** Atlassian (Bitbucket, Jira, Confluence, Bamboo, Bitbucket Pipelines), AWS (S3, EC2, IAM, RDS, Datasync, S3, SQS, FSX, DataSync, EKS), Harshicorp (Terraform, Packer), Docker, Kubernetes, Ansible, GitHub Actions, Azure (blob, VMs, Vnets, AKS, Azure AD), Monitoring (AWS CloudWatch [Events and Logs], AWS SNS, AWS S3, Splunk, Qlertlogic, Qualys), Security (AWS Guard Duty, AWS Security Hub, AWS WAF Shield)

Experience

Reed Exhibitions   **Norwalk, CT**
Cloud | DevOps Engineer   *August 2021 – Present*

- Managing and Provisioning Infrastructure using IaC like Terraform, Ansible.
- 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.
- Implemented and managed Ansible Tower to scale automation and handle complex deployments.
- Build and managed automation server to deploy CI/CD jobs and constructed a functioning CI/CD pipeline with these tools to automatically deploy application version changes from VCS to various environment.
- Configure monitoring dashboards using necessary metrics required for infrastructure
- Ensuring various level of security from IAM , KMS, WAF and third party Security tools for servers
- Build the entire Kubernetes cluster using Terraform and CI/CD for container deployment
- Contributing to team meetings, troubleshooting development and production problems across multiple environments and operating platforms
- Build and maintain Custom AMIs using packer across multiple environments
- Developed terraform modules and CloudFormation templates to provision infrastructures in cloud.
- Designed and implemented Automation Pipelines using CI/CD Tools like Bamboo, BitBucket Pipeline & GitHub Actions for a range of projects and environments.
- Manage SSL / TLS Certificates Creation and updates accross applications and Loadbalancers
- Created and managed kubernetes configuration files (deployment, service, ingress etc)
- Using Ansible playbooks to deploy multi account resources through cloudformation stacksets
- Handled deployments and Maintenance of Windows & Linux servers and automate Images using Packer and bootstrap agents using Powershell & shell scripts
- 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.
- Worked with application developers and leadership to launch new services from scratch
- Democratized advanced technologies in our architecture patterns including leveraging ECS, EKS, Lambda functions, parameter store, DynamoDB etc.

- Defined and set up monitoring alerting according to services and infrastructure KPIs

Unilever NA   **Trumbull, CT**
Cloud DevOps Engineer | Azure Administrator   *June 2016 – July 2021*

- 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.
- 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.
- Managed various phases of the migration process, including portfolio discovery, application migration planning and design, migration execution, and post-migration validation and application optimization.
- Developed Terraform modules and CloudFormation templates to provision infrastructures in cloud.
- Setting up Infrastructure, Bootstrapping nodes, creating and uploading deployments.
- Creating docker images by using docker file and from containers and dokcer compose for multi container deployment
- Implemented and managed Ansible Tower to scale automation and handle complex 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 models based on customer's functional and non-functional requirements.
- 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 actual resiliency and availability requirements
- Used System Manager to automate operational tasks across Infrastructure and resources.
- 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.
- Managed application deployment into Kubernetes Cluster and maintain scaling
- VPC build with Private and Public Subnet couple with VPNs setup back to on premise datacenter and corporate offices
- Built custom images though docker server, docker compose with multiple local containers, and created production grade workflows and a continuous application workflow for multiple images.
- Monitor performance across applications and work with developers on issues by reviewing logs, dashboards, and other monitoring tools
- Maintained and designed infrastructure and solutions with security best practices and standards
- Used System Manager to automate operational tasks across AWS infrastructure.

LocalTech LLC   **Trumbull, CT**
Cloud Systems Engineer   *April 2013 – June 2017*

- Managed provisioning of AWS infrastructures using CloudFormation and Terraform.
- 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 though 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.
- Migrated high availability webservers and databases to AWS EC2 and RDS with minimum or no downtime.
- Exchange O365 account administration, troubleshooting, deployment and migrations.
- Microsoft Azure administration - AD Connect, Azure AD - setup, and configuration trouble shooting implementing and supporting Microsoft Lync audio and video Mobile Device management (Android, Apple, Blackberry)
- Deploy & manage Linux and Windows servers for production environment

- 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

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Certifications

AWS Solutions Architect Associate	*SAA-C02*
Certified Kubernetes Administrator	*CKA*
Azure Administrator	*AZ-104*
Terraform Certified Associate	*HCTAO-002*

Education

Bowen University
Bachelor of Science, Computer Science