ADE ADEKOYA

Edmonton, Alberta, Canada |1-403-669-5282 | adekoyadapo@gmail.com

SUMMARY

Experienced Infrastructure Architect with a background in IT infrastructure and networking, with DevOps and Platform Engineering understanding. Skilled in designing and implementing complex cloud infrastructure solutions that meet business requirements. Passionate about using technology to improve operational efficiency and deliver measurable business value.

TECHNICAL SKILLS

- Cloud Platforms: AWS, Azure, GCP - Infrastructure, Governance (IAM and policies) and Cost control.
- Infrastructure-as-Code: Terraform, Pulumi, Crossplane, CloudFormation, Deployment Manager and Bicep.
- Infrastructure and Cloud Networking - Routing, Switching, L7/L4 load balancing, proxies, VPCs, Gateways
- Data center infrastructure, compute, storage, networking monitoring, and backup solutions
- Virtualization with VMware ESXi, RHV, Windows Hyper-v
- Configuration Management: Ansible, Chef, Puppet
- CI/CD: Jenkins, GitLab CI/CD, Travis CI, Azure DevOps, GitHub actions, AWS Codepipeline
- Application Deployment for NodeJs, Nextjs, React, Java, Python, and Dotnet.
- Containerization and Orchestration: Docker, Kubernetes and flavours on Openshift, Tanzu, AKS, EKS, GKE, K3S.
- Service Mesh: Istio, Tetrate Service Bridge, Kong Mesh.
- Scripting: Python, Bash
- Monitoring and Logging: ELK Stack, Prometheus, Grafana, Nagios, Newrelic, Datadog.
- Infrastructure design, documentation and monitoring, distributed systems.

PROFESSIONAL EXPERIENCE

Cloud Infrastructure Engineer | Infrastructure Consultant, 360ace Tech, *AB, Canada, April 2021 -present*

- Performed general training and cloud Infrastructure architecture consultancy for *Aspirehub.org*
- Designed, implemented, optimized, secured and monitored cloud-based infrastructure as a freelance to meet the business requirements for *goodaction.com*, leveraging on Cloud-Native technology and IaC for automated deployments of the distributed system architecture on Azure.
- Led and managed teams of remote-based DevOps engineers and developers by introducing DevOps best practices for application deployment and cloud-native delivery whilst leveraging Kubernetes and service mesh.
- Implemented DevOps requirements and SRE principles to support day-to-day cloud infrastructure and applications development and operations by documenting and developing operational requirements.

Cloud Infrastructure Engineer, SADA SYSTEMS, *CA, United States, January 2022 -April 2023*

- Led teams of engineers, serving as the subject matter expert for cloud adoption and migration schemes and training and recruiting other team members to improve on best practices adoption across the team.
- Performed foundational setup (Landing zone, Governance), migration, and monitoring of large-scale workloads to Google Cloud Platform and or from on-premise to cloud or from other providers such as AWS and Azure.
- Designed and implemented cloud architecture with the required best practices in accordance with the cloud adoption portfolio designed to meet varying customer needs which vary from small-scale workloads to large-scale distributed computing.
- Led the development of technical artifacts including requirements traceability matrix (RTM), detailed technical design, security architecture plan, services description document and statement of work (SOW) thereby reducing project delivery timelines by 20%.
- Ensured end-to-end development and implementation of application workloads during the migration process across multiple platforms such as AWS, GCP and Azure.
- Developed automation strategies leveraging IaC tools such as Terraform, DevOps methodology and SRE principles to implement required strategies which greatly enhanced cloud adoption.
- Implemented security best practices for various security profiles such as HIPAA, and PCI DSS leveraging on google cloud organizational policies, IAM, project isolation, VPCs and application security with cloud armor.

Customer Engineer - Consultant (contract) - Tetrate.io*, CA, United States April 2021 - December 2021*

- Guided customers towards adopting service mesh for their application modernization implementation.
- Participated in product deployment, upgrade or onboarding of applications leveraging on Cloud-native deployments (microservices/containerized apps).
- Worked with customers to set them up for success with their microservices implementation, improving their development operations with better application visibility.

- Leveraged a deep understanding of complex distributed system platforms/cloud technologies and cloud architecture across AWS, GCP, and Azure and the ability to simply articulate it to customers and SREs within a customer organization.
- Engaged with engineers within the customer organization, to identify and train people to maintain and run Kubernetes, Istio and service mesh at scale within the organization either on-premise or on notable cloud providers such as AWS, GCP and Azure.
- Collaborated with sales engineers and solution architects to ensure successful product rollout on customer infrastructure ranging from self-hosted Kubernetes, Openshift, AKS, EKS or GKE.
- Contributed to building a secure, robust, and highly available service mesh platform for mission-critical enterprise applications spanning legacy and modern infrastructure, both on-prem and cloud.

Design Specialist II - DevOps/SRE, TELUS COMMUNICATIONS, *AB, Canada, September 2019 - April 2021*

- Implemented cloud-native solutions leveraging DevOps principles reducing monolithic applications by 30%
- Designed and implemented highly available Microservice infrastructure solutions for containerized applications, leveraging on Kubernetes solutions with Openshift, VMware Tanzu Kubernetes grid and GKE and service mesh with Istio.
- Translated business solutions to technical designs for DevOps and SRE solutions.
- Implemented automation tools and frameworks with DevOps tools improving the CICD process and reducing release windows by 50%.
- Optimized the content delivery system architecture, implementing data tools with Splunk, monitoring and alerts for reliability operations.

Senior Systems Administrator, Calgary Parking Authority, *AB, Canada, July 2018 – August 2019*

- Redesigned the enterprise IT infrastructure, removing outdated and high-security risk devices and increasing infrastructure uptime by 10%.
- Defined and implemented security policies for all IT infrastructure devices, integrating Ansible to facilitate infrastructure automation and deployment for meeting PCI DSS requirements.
- Implemented VPN solution for remote and site-to-site connectivity.
- Provided architectural designs for local and cloud SaaS integration for Office 365.
- Provided POC(s) for application modernization with Rancher, VMware Tanzu and Openshift.
- Served as SME (subject matter expert) for network infrastructure projects, successfully integrating 5 new parking solution sites and improving over 50 lots servicing an average of 100 customers per hour.

Various Technical Roles, 2010 - 2018

- Provided IT infrastructure management and IT projects complete lifecycle management with automation for easy deployments.
- Architected and managed data center interconnect routing and integrations across four data centers.
- Adopted and integrated IPv6 across the enterprise increasing customer acquisition by 10% quarterly.
- Improved support activities with proactive IT service management and cost-effective infrastructure management solutions contribute to about 5% return on investment (ROI).
- Provided technical POC on XAAS services providing benchmark tests on multiple infrastructure platforms.
- Developed in-house open-source tools for network and infrastructure management and SRE operations.
- Implement enterprise network-based projects for local and cloud-based deployments.
- Implemented infrastructure configuration management across local and other public IAAS services.
- Acted as technical lead creating a liaison between the company and vendors.

TRAINING AND CERTIFICATIONS

Istio Fundamentals - Tetrate
Google Cloud Professional Solutions Architect, Cloud Network Engineer and DevOps Engineer
AWS Certified Solutions Architect Professional and DevOps Engineer.
Certified Kubernetes Administrator and Application Developer
Azure Administrator Associate and Solutions Architect Expert and Microsoft Certified DevOps Engineer
VMware Certified Professional - Data Center Virtualization and Network Virtualization
CompTIA Linux+
Cisco Certified Specialist - Enterprise Advanced Infrastructure Implementation, Core and Enterprise Design
Cisco Certified Network Professional Enterprise (CCNP Enterprise)
AWS Certified Solutions Architect and AWS Certified Developer
Operating Kubernetes on IBM Cloud

EDUCATION

Bachelor of Electrical and Electronics Engineering, Federal University of Technology, Akure Nigeria 2005 – 2010.