ADE ADEKOYA

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SUMMARY

As an Experienced Cloud Infrastructure and DevOps Engineer, I bring a strong IT infrastructure, networking, Cloud Infrastructure, and Platform Engineering background to design and implement complex cloud-native solutions that meet business requirements.

TECHNICAL SKILLS

- Cloud Platforms: AWS, Azure, GCP - Architecture, Security (PCI DSS, ISO, SOC2), Governance (SSO, IAM and policies), Cost control, Infrastructure and Application modernization.
- Infrastructure-as-Code: Terraform, Pulumi, Crossplane, CloudFormation, Deployment Manager and Bicep.
- Data center infrastructure, compute, storage, networking, monitoring, high availability and backup solutions.
- Virtualization and networking with VMware ESXi, RHV, Windows Hyper-v, Cisco, Juniper and Palo Alto.
- Configuration Management: Ansible, Chef, Puppet.
- CI/CD: Jenkins, GitLab CI/CD, ArgoCD, FluxCD, Travis CI, Azure DevOps, GitHub actions, AWS Code pipeline.
- Application Deployment for Js Frameworks, Java, Python, dotNet and management on kubernetes with helm, kustomize.
- Containerization and Orchestration: Docker, Kubernetes and flavors on Openshift, Tanzu, AKS, EKS, GKE, K3S.
- Appplication networking and Security: Sonarcube, synk, jit, trivy, OWASP ZAP, Prisma Cloud, Azure Sentinel, Wazuh, Istio, Tetrate service Bridge, Kong Mesh.
- Scripting, Code management: Python, Bash, powershell, git (Gitlab, Github, Azure DevOps, Artifactory, Code Artifact).
- Monitoring, Logging APM: ELK Stack, Prometheus, Grafana, Splunk, Cloudwatch, Azure insights, monitor.
- Infrastructure design, documentation and monitoring, distributed systems and Agile methodology.

PROFESSIONAL EXPERIENCE

Technical Lead Cloud Solutions Engineer | Deloitte Global | September 2023 -present

- Provided strategic guidance in cloud architecture and development operations for enterprise applications.
- Managed distributed cloud solutions, applications, DevOps teams, promoting best practices for application deployment across Kubernetes environments, implementing monitoring and alerting solutions to meet business needs.
- Architected and developed deployment pipelines for applications, kubernetes deployment artifacts using Helm or kustomize, streamlining the packaging of application artifacts into Kubernetes.
- Implemented SRE principles for seamless cloud infrastructure and application operations.
- Designed and integrated AI based solutions for improved end-user experience, infrastructure and application delivery.
- Reduced deployment times by 50% by implementing Docker and Container as a service solutions for containerization and managing infrastructure deployments using Kubernetes and IaC.

Staff Cloud Infrastructure Architect - DevOps | SADA SYSTEMS, *CA, United States, January* | 2022 -April 2023

- Led the creation of technical artifacts, accelerating DevOps project delivery by 20%.
- Managed end-to-end DevOps processes, including the integration of application workloads on multi-cloud.
- Developed DevOps strategies for application modernization, identifying areas for improvement before cloud adoption.
- Coordinated with stakeholders to align DevOps roadmaps with business directives.
- Supervised DevOps teams, ensuring the development of secure, maintainable code with a focus on continuous integration and deployment.
- Led the transformation of large-scale monolith applications to cloud-native solutions using GCP resources and Kubernetes, enhancing DevOps efficiency by 40% and infrastructure optimization by 40%.

Customer Engineer - DevOps (Contract) | Tetrate.io*, CA, United States* | April 2021 - December 2021

- Trained customer's DevOps and SRE teams to maintain and run Istio and Tetrate products at scale.
- Guided customers in adopting application telemetry within service mesh for application modernization.
- Participated in deploying and upgrading applications leveraging Cloud-native deployments on various platforms with CI/CD tools and deployment templating.
- Assisted customers in improving their development operations with better application visibility in their microservices implementation.
- Articulated complex distributed system platforms/cloud technologies and cloud architecture to customers and SREs.
- Collaborated with solution engineers for successful rollout of TSB on customer premise, maintaining customer SLOs.
- Contributed to building a secure and robust service mesh platform for mission-critical enterprise applications.

DevOps Specialist | 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 AKS
- Translated business solutions to technical designs for multiple internal SAAS based platforms.
- Implemented automation tools and frameworks with DevOps tools improving the CICD process and reducing release windows for containerized workloads to Azure cloud by 50%.
- Optimized the content delivery system architecture, implementing APMs and data tools with Splunk, Newrelic, to improve application performance through monitoring and alerting.

Senior DevOps Engineer | 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 desired states and deployment and Terraform for IaC to meet PCI DSS requirements.
- Implemented security solutions like Okta for SSO auth and VPN solution for remote and site-to-site connectivity.
- Provided architectural designs for local and cloud SaaS integration for Office 365.
- Collaborated with development teams to improve the development process with Jenkins and Azure devOps and eventual delivery to Azure Cloud resources for the SAAS based application used daily across municipalities.
- 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.

IT infrastructure and Web Solutions Manager | Web4africa, *South Africa | January 2015 – June 2018*

- Managed IT infrastructure and IT projects, implementing automations that increased deployment efficiency by 30%.
- Oversaw the design and management of data center interconnect routing across four data centers, successfully integrating IPv6 across the enterprise.
- Led teams of service support and application developers, creating business application solutions that improved operational efficiency by 20%.
- Improved support activities with proactive IT service management, contributing to a 5% ROI with cost-effective infrastructure management solutions.
- Deployed an IT inventory management system and automated Data Center tasks, reducing deployment time by 25% and integrating security solutions that decreased risk to critical business products by 40%.
- Provided technical POC on XAAS services, conducting benchmark tests on various cloud-based systems, improving system performance by 35%.
- Implemented additional company products for IAAS services, contributing to an extra 10% ROI, and managed infrastructure configuration across local and other public IAAS services.

DevOps Specialist, KONGA Online Shopping Limited Cape Town, ZA *January 2015 – August 2016*

- Provided infrastructure design, installation, virtualization and management for over 200 devices across 4 locations.
- Developed in-house open source tools for network and infrastructure management, improving incident and problem management, for service desk team delivering an overall reduction in departmental budgets on infrastructure monitoring tool solutions by 30%.
- Integrated multiple tools and solutions to improve application delivery window by 30% through CICD and optimized infrastructure and application through logging, monitoring and alerting solutions.
- Designed and implemented change management procedures, service catalog and knowledge management for enterprise wide infrastructure using Atlassian Jira service desk platform as a service management system.
- Implemented automations and scripts for analyzing and detecting production issues and resolve technical issues.
- Implemented hybrid infrastructure and cloud solutions delivery across AWS and Azure.

Network Infrastructure Engineer, Swift Networks Limited, Lagos Nigeria *March 2012 – December 2014*

- Provided network integration projects, change management, incident, problem management and Internet access provision to enterprise clients meeting both timeline and budget targets.
- Technical lead creating liaison between the company and vendors.
- Configured deployment in the enterprise wide LTE, MPLS and VPLS deployment.
- Effectively ensured uptime of over 200 company cell sites and provided quick resolution to service downtime improving the company's 99.9% uptime record using OTRS (Open Source Ticket Request System) to assign, communicate and escalate incidents, problems and resolutions at prompt and required times.
- Data Center expansion project including the planning, design, and implementation, working with HUAWEI ATN, CX600 series devices, Cisco ASR 1000 series router, Cisco ASA firewall and nexus switches and HP rack servers.
- Deployed and upgraded server operating systems from windows server 2008 R2 to 2012 R2, Linux OS (Rhel and

Debian based) and virtualization with VMWARE 5.5

TRAINING AND CERTIFICATIONS

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

EDUCATION

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