Ayodeji Akinsoyinu
(337) 385-4919 | deji.akin44@gmail.com

IT Professional with extensive experience in designing, deploying, maintaining and securing cloud infrastructure and applications in Microsoft Azure and Google cloud platform.

Core Expertise

+ Kubernetes
+ Prisma Cloud
+ DevOps
+ GitOps
+ Encryption
+ Cloud Security Architecture
+ IaC
+ CIS Compliance
+ Logging & Monitoring
+ Secret Management
+ Microsoft Azure
+ IAM
+ GCP
+ Vulnerability Management
+ Terraform

Professional Experience

The Procter & Gamble Company, Cincinnati OH. **June 2015 - Date**

PRINCIPAL ENGINEER – CLOUD SECURITY. **July 2021 - Date**

- Revitalized cloud security practices by developing and documenting comprehensive best practices, resulting in an impressive 90% decrease in cloud resource misconfigurations. Spearheaded the design and successful implementation of workload Identity federation in GCP, reducing user-managed service accounts by 92% and mitigating associated risks. Additionally, crafted and executed a robust cloud security strategy that achieved an exceptional 95% increase in compliance with industry regulations.
- Performed comprehensive security vetting of new GCP services, utilizing FEDRAMP guidelines, to ensure their suitability for use within the company.
- Implemented a "shift left" methodology for Cloud infrastructure deployments, harnessing the power of industry-leading tools and technologies. Leveraged GitHub for robust version control, Terraform as Infrastructure as Code (IaC) for streamlined provisioning, CI/CD Pipelines for automated infrastructure deployment, and Snyk IaC with Open Policy Agent (OPA) policies to proactively prevent the deployment of non-compliant cloud resources.
- Drove the identification, enabling, and forwarding of crucial logs to the corporate SIEM, partnering with the Security Operations Center (SOC) to generate targeted alerts, ensuring compliance, operational efficiency, and proactive threat detection.
- Provided strategic direction and recommendations to development and operational teams to address security weaknesses and identify potential new security solutions in cloud environments.
- Architected and implemented an advanced encryption at rest strategy utilizing industry-leading technologies such as Customer-Managed Encryption Keys (CMEK) and Hardware Security Modules (HSM). Spearheaded the development of a comprehensive framework that incorporated key management, rotation, and secure storage mechanisms to safeguard the confidentiality and integrity of over 10,000 GCP and Azure resources.

- Collaborated closely with the network team to design and implement a secure networking environment, enabling seamless and protected ingress and egress within our GCP and Azure environments.
- Implemented and configured cutting-edge security solutions, including NGFW (Next-Generation Firewall), WAF (Web Application Firewall), and API management tools, as integral components of the secure networking environment in our GCP and Azure environments.

SENIOR ENGINEER - CLOUD SECURITY **Jan 2018 – July 2021**

- Implemented and enforced cloud security standards, leveraging tools such as Prisma Cloud, Azure Security Center, GCP Security Command Center, and wiz.io to effectively monitor and ensure compliance across cloud environments, mitigating risks and maintaining a robust security posture.
- Thoroughly evaluated and vetted monitoring tools such as Prisma Cloud, Azure Security Center, GCP Security Command Center, wiz.io, and Chronicle, as well as Twistlock for GKE security, ensuring their secure deployment and verifying their performance to meet organizational expectations. Additionally, conducted comprehensive assessments of IAM security tools (e.g., IAM Recommender, IAM Roles Analyzer) to ensure their seamless integration and effectiveness in bolstering our security posture, specifically in enforcing the least privilege principle.
- Leveraged preventive guardrails like Azure Policy and Google Organization Policy (ORP) constraints to enforce compliance, resulting in impressive achievements of 97% compliance with Azure secure score, 90% compliance with Azure CIS controls, and 95% compliance with GCP CIS controls. Additionally, achieved a flawless compliance rate of 100% for internal security controls, demonstrating a proactive approach to maintaining adherence to industry and organizational standards.
- Inform and educate business stakeholders on cloud security requirements, policies, standards, and procedures related to strategic project initiatives.
- Implemented a patch and vulnerability management process across the company's multi-cloud environment, resulting in an impressive 99% patch compliance rate and timely remediation of critical and high priority vulnerabilities within the approved service level agreement (SLA).
- Developed a strategy to automate the rotation of service account keys, resulting in the seamless rotation of over 1000 service account keys every 90 days. This strategic approach enhanced the security of privileged access, mitigated the risk of compromised credentials, and ensured compliance with key security standards and practices.

ENGINEER- CLOUD SECURITY June 2015 – Dec 2017

- Implemented a meticulously designed security task calendar, incorporating defined roles and responsibilities utilizing the RACI matrix. This structured framework not only ensured timely completion of various security tasks such as disaster recovery drills, regular account audits, and OS patching but also enhanced accountability within the team. By establishing clear ownership and expectations, the calendar facilitated effective task management, resulting in a remarkable 99% on-time completion rate and fostering a culture of responsibility and reliability.
- Assumed responsibility for the patching of over 5,000+ virtual machines (VMs) utilizing the BigFix platform, implementing efficient patch management processes that ensured timely and secure updates across the infrastructure.
- Took charge of the installation and configuration of essential security agents, including Puppet, Wazuh, McAfee, Tenable, and PingID, across a vast fleet of 5000+ virtual machines. This proactive measure strengthened the overall security posture by ensuring comprehensive endpoint protection, vulnerability management, intrusion detection, and multi-factor authentication, effectively safeguarding the virtual machine environment from potential threats and unauthorized access.
- Contributed to the successful migration of 1400 web applications from on-premises to the cloud, leveraging expertise in cloud architecture and deployment methodologies. Additionally, designed and implemented customized Role-Based Access Control (RBAC) roles for Azure and GCP environments, ensuring adherence to the principle of least privilege and enhancing the overall security posture of the cloud infrastructure. Led the installation of security agents such as Puppet, Wazuh, MacAfee, Tenable and PingID on 5000+ virtual machines.

864 Systems, Lagos Nigeria July 2012 – Nov 2015

CLOUD ENGINEER

- Accountable for managing the ongoing operations to ensure 99.9% uptime across the cloud infrastructure in collaboration with partners.
- Provisioned required cloud resources accordingly and provided support to application owners and other stakeholders.
- Troubleshooted incidents to identify root cause and resolve issues.
- Developed critical process documents and wikis for new processes and tools, enabling valuable resources for users.
- Executed Level 3 support function for internal stakeholders and application owners.

Federal Mortgage Bank of Nigeria, Lagos, Nigeria

Oct 2010 – Jun 2012

DESKTOP SUPPORT ENGINEER

- Provided desktop support, including software installations, windows upgrades, printer and equipment assistant, and data and server management.
- Utilized Active Directory for creating user and computer accounts and security groups.

Education & Certifications

Bachelor of Science in Computer Science, University of Ibadan

Certified Microsoft Azure Solutions Architect

Google Certified Professional Cloud Architect

Certified Information Systems Security Professional (CISSP)