**Boseme Mukete**

**SOLUTIONS ARCHITECT**

muketenjemo@gmail.com

**Professional Summary**

Seasoned AWS Solutions Architect with over 5 years of solid experience in Strategizing, Designing and Deploying innovative, cost effective, reliable, and Secure Architecture for several fortune 500 companies. Goal Oriented and Detailed, with excellent communication and presentation skills in various business and technical environments.

**Highlighted Skills**

Adept in scripting languages:

* Bash/Shell Scripting
* Python

Effective administration of operating systems:

* Linux
* Windows

Well-versed in automation tools:

* Ansible
* Puppet

Refined troubleshooting skills

* Network troubleshooting
* Process
* Hardware troubleshooting

Skilled in Microservices

* AWS Lambda

# EXPERIENCE

**AWS SOLUTIONS ARCHITECT**

*BEYOND TECHNOLOGIES, August 2019 - Present*

* Oversaw secure and on time Database & Application Migration from On-Prem datacenter to AWS platform.
* Used microservices to resolve key scaling and server processing challenges.
* Served as subject matter expert in designing and delivering well architected solutions on AWS platform.
* Use container orchestration tools like AWS EKS to deploy pods, nodes, & manage the allocation of system resources for each microservice.
* Deployed over 300 workspaces for remote and offshore employees during the COVID-19 which minimized cost.
* Used ADFs to sync client’s Active Directory with AWS.
* Implemented principle of least privileged access for security purposes on AWS platform.
* Conducted seminars, training employees on information technology security awareness.
* Advised client on highly available and secure solutions to meet their post-migration requirements.
* Implemented system hardening using ADFS, IAM, firewall rules and NACls, as well as security groups for various EC2 instances.
* Created a process to keep track of system vulnerabilities and fixed them in a timely manner to avoid exploitations.

 **AWS SOLUTIONS ARCHITECT**

*HUNTER HAMILTON, APRIL 2015 - August 2019*

* Advised client on Application infrastructure to optimize production requirements.
* Used appropriate AMIs to spin up EC2 instances and deploy scalable and highly available Applications as per customer needs.
* Designed highly scalable solutions using microservices.
* Used Iaas & Paas tools like Elastic Beanstalk and EC2s to deliver solutions in a cloud environment.
* Implemented IAM rules to define employee role and enable secure authentication.
* Built and configured secured VPCs for client manually as well as using infrastructure as code tools like Terraform, and AWS Cloud Formation.
* Automated tasks with other third-party tools like Ansible.
* Leveraged Security Groups and ACLs to ensure the security of production EC2 instances.
* Advised client on best practices to ensure reliability, resilience, security, and cost-effective infrastructure.
* Advised client on database solutions to best suit application and production requirements.
* Enabled versioning in S3 which saved client from losing TBs worth of data.

**SYSTEM ADMINISTRATOR**

*AMAZON, June 2014 - April 2015*

* Performed LDAP design, administration, and effective troubleshooting in the production environment.
* Hardening Red Hat Linux 6 and patching on Red Hat 6 & 7 servers using Red Hat satellite.
* Effectively handled back up and logging tasks via automation using ansible and bash.
* Ensured business continuity by designing, implementing, and testing disaster recovery systems.
* Integrated active directory in Linux production environment using SSSD.
* Deployed and managed security visibility tools like Barracuda Security Guardian, CLoudpassage Halo & Checkpoint Cloudguard Dome9
* Configured and managed OpenShift containers using Kubernetes.
* Implemented and supported performance monitoring and fault monitoring systems.
* Used python to debug application and/or configuration issues.
* Ensured change management policies and procedures followed efficiently.
* Configured and maintained firewall using iptables for system/host security.
* Managed Virtualization/V-center Infrastructure ensuring virtual machines & operating systems work.
* Configuration of WebLogic proxy plug-in and applications on servers like Apache 2.0 HTTP Server, Apache 2.2 HTTP Server, Apache TOMCAT 5.x.

# Education & Professional Certifications

# Bachelor’s in CS – George Mason University, 2018.

* AWS Solutions Architect Associate.
* RHCSA