**Kelvin Ikpeni**

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# **Cloud DevOps Engineer/Linux System Engineer**

Certifications:

**\*Docker Certified Associate (DCA) **

**\*Google Cloud Certified Associate (GCCA) **

**\* Certified Kubernetes Administrator (CKA) **

**\* Microsoft Azure Administrator **

**\*AWS Certified DevOps Engineer - Professional **

# **Summary**

**DevOps Cloud Engineer/Linux System Engineer**

Performed day to day administrative tasks such as,

* Strong exp on Kubernetes and micro services
* Daily management of based cloud infrastructure
* Architectural design and implementation of future cloud initiatives
* Cloud maintenance planning and coordination
* Management of cloud networks and connectivity and integrations
* Managing and enforcing cloud naming standards
* Create and manage all cloud provisioning scripts needed for single instance, environment-based (dev, prod, etc.) or regional-specific resources
* Closely coordinate with DevOps team on additional cloud automation above the infrastructure layer
* Manage cloud storage and on-premises hardware storage appliances

I write infrastructure as code, and deploying applications to cloud environment, AWS, AZURE and Google Cloud. I use Terraform, ansible, Jenkins, CICD, Gitlab, Bitbucket, GitHub, Team city, iaas, paas, saas, Jira, Docker, Kubernetes, Docker-swarm, etc.

# **Experience**

May 2021 till present

## Devops Engineer/ Solutions Architect at TCS (Tata Consultancy Services Limited)

Clients are:

Redhat System Engineer/ Solution Architect/ Ansible/ Analyst, Developer Specialty and Devops engineer working multi Devops tools.

* Humana Health Care
* Kroger
* APPLE Inc
* SAP

## Devops engineer

## Automation and Cloud System Engineer.

* Architecture Designs and Implementations
* AWS
* Google Cloud Engineer
* IAM engineering
* Microsoft Azure
* Azure Devops
* Docker
* CICD
* Jenkins Admin
* Kubernetes admin
* Deploy and configure Kubernetes
* Deploy pod and applications
* Kubernetes networking
* Kubernetes deployments on cloud, EKS, AKS and GKS
* Gitlab, GitHub, Bitbucket
* Dynatrace monitoring exoert
* Ansible, Ansible-Tower,Terraform, Jenkins CI/CD pipeline, and more
* Linux, RedHat7, RedHat8, Ubuntu, Centos7 and Centos8
* Infrastructure as code

May 2020 till April 2021

Indoortronix/ PNC Bank

Ansible/ Analyst, Developer Specialty 4 at PNC Banks Devops engineer working multi Devops tools.

Write ansible scripts from ground up to perform multi tasks with Oracle databases.

Terraform script, infrastructure as a code (iaac)

Working closely with group of DBA teams, provision databases, patching database etc.

Ansible-Tower / AWX and jerkins for full environment automation and deployment.

Ansible-Vault for securing secret passwords and important information

Manage all codes with source control management (SCM) Git

Bitbucket, for CI/CD, Full end to end automations.

Bash scripts migration to ansible yaml code.

Lead Docker specialist

Kubernetes for container orchestration

Docker-swarm master for alternative container orchestration

Writing Jenkins scripts with groovy for pipelines automation.

AWS Cloud infrastructure engineer

AZURE Cloud infrastructure engineer

Google Cloud Platform infrastructure engineer.

Linux system engineer for patching, updates and upgrades

**December 2019 till May 2020**

Devops Engineer, Docker Engineer/Technical Lead

**National Labor Relationship Board (Washington Dc)**

Docker Engineer, Microsoft Azure, Azure Devops pipeline, (CI/CD)

PowerShell scripting, Dockerfile creation, Docker UCP, Docker DTR, Azure Container Registry (ACR) RedHat Server, Ubuntu Server, CentOS Linux

Applications/VMs migration to Azure, AWS and Google Cloud Platform (GCP)

Cloud Engineer and Cloud Architect, Git, Ansible, Full-Automation.

Ansible, Terraform, Jenkins, Docker, Kubernetes, Azure DevOps, Gitlab, GitHub, Bitbucket, CI/CD, Full end to end automations.

May 2019 – December 2nd 2019

Devops Engineer/Technical Lead/Jenkins XL release Management

AWS, AZURE GCP and VM-WARE (on Prem)

**Wipro limited (TJX Massachusetts)**

Marlborough MA

* Technical Lead Role, for Devops Engineer Integration Team
* Working on migrating Ansible scripts from Ansible-core to Ansible-Tower
* Jenkins CD/CD pipeline automation for XL release management.
* Ansible-Tower and jenkins for full environment automation, deployment and release management.
* RedHat Server, Ubuntu Server, CentOs Linux
* Design, plan, document, and support the configuration of logical and physical system layouts
* Bitbucket code repo management
* GIT code repo management
* AWS, AZURE, GCP, VM-WARE
* Bash Scripts
* PowerShell Scripting for automations

November 2016 – May 2019

Devops Engineer |Linux System Administrator| Ansible Expert | jenkins Admin

**NTEK LLC**

**Baltimore MD.**

[Installed, configured and managed multiple servers Ubuntu/Centos7 for maximum availability stability, also deploy AWS EC2 instances for other data storage]

**DEVOPS:**

I manage the sets of tools as a DevOps Engineer, and the task is with monitoring the business’s site/software, ensuring standard compliance. As DevOps Engineer also monitors the engineering department’s tools and procedures and promotes their evolution alongside the business’s systems. I play an active role in building and improving the platform services inclusive of websites, software, and applications while hosting and managing databases.

As DevOps Engineer, I regularly check and monitors alarms, diagnoses symptoms, analyzes root causes, and employs preventative measures to avoid reoccurrence of similar issues. As a DevOps Engineer, I take ownership and accountability of the performance and reliability of the web-services that the business manages. Some of the tools I use are, but not limited to these: {Terraform for Provisioning, Ansible for configurations, Gitlab-CI/CD, Jenkins CI and pipeline configurations, Active Directory integration with all Linux my distros, AWC EC2 deployments and IAM configurations, ESXi configuration and provisioning of new VM’s, ssh-key assignment secure connectivity}, etc. Just to mention few.

I have worked as a Devops Engineer and Linux System Administrator in a team of 6 people at Community Collage of Baltimore County from 2014 to 2016 in provisioning new server and installation of new applications, like VMWare workstation, Oracle DB, Active Directory, Sybase and SAP and integration of new Technologies for students and workers.

I currently working as a Devop Engineer and Team Lead with Wipro Limited, with the said application above { } till date

Ansible core & Ansible Tower: I have installed and configure Ansible core and Ansible-Tower from the ground up. I write playbooks/yml scripts to manage, deploy, provision and to configure remote servers. I use Ansible-tower to manage and schedule various tasks and also to send notifications and updates. I also use Dynamic Inventory and Smart inventory for daily tasks.

Jenkins Admin: I have work and serve as a jenkins administrator. I have installed and provisioned jenkins server from the ground up, creating Multiple jenkins pipeline and also configured jenkins slaves. Created users and give the appropriate permissions to users. I also integrate jenkins with Github, Gitlab and Ansible Tower. I also setup webhook so that jenkins can read all codes that is been pushed to Git. I also created deferent tokens for deferent purposes.

Teamcity: I have installed, configure and created account for multiple users. Also created countless of projects, managed agents and build queue. I also integrate Teamcity with Github by creating some access token. I am also very open and very flexible to adapt to any environment changes, as this application can be used in differently in other environments.

VMware/ESXi:

I have installed VMware ESXi and I also install VMware workstation. I then create multiple Linux virtual machines, Ubuntu, Centos etc, and assigned static IP addresses, I did an updates and upgrades, and I also harden the system for security purposes and security vulnerability. I then create users and groups and gave deferent permissions. I also created multiple Datacenters and deferent cluster inside ESXi, and I managed ESXi with vsphere web-client and vsphere client. I also increased disk size at some point when some vms where running low on disk space by using fdisk utility and PVcreate tools. I also did a lot of troubleshooting's, like resolving network issues and DNS services. I have an advance knowledge Linux operating system and a very good trouble-shooting skills.

TERRAFORM

I have use and terraform to managed and provisioned an infrastructure as code from ground up. I have provisioned infrastructure to the following providers, AWS, Google Cloud, vCenter and vSphere environments. I write infrastructure as code for any cloud base provider, and I have a very vast understanding of Hashicorp work flow.

I work on VMware ESXi on a daily basis.

**AWS: Amazon**

I also work as AWS Devops Engineer, I have designed and develop automation to support continuous delivery and continuous integration processes.  
I have to work with senior leader to deliver on complex, enterprise-level initiatives that are a part of the company's overall strategic direction. My knowledge includes automating server configuration, security group, ami, including logging key changes, and system hardening, IAM, AUTO SCALING just to name few.

**AZURE: Microsoft**

Microsoft azure, is one of my favorite cloud environments to work. I have provisioned, build, test, deploy and manage applications and services on Azure platform. I have used ansible and terraform, as an orchestration tools to create and spin up new staging, testing and production environments in the cloud. I ‘ve also used terraform to provision deferent types of resources like, resource group, virtual-network, public and private ip, azure-subnet, and network-interface. I have also spin up new VM’s like Ubuntu-servers, Red Hat servers, Centos-7 servers and Microsoft 2012 and 2016 windows-servers. I ‘v also used the in-built monitoring service to monitor deferent servers and applications.

**GCP: Google Cloud platform**

I continually provision, deploy, Integrate, Test, Monitoring and improving servers and applications to meet company demands, policy and requirements.

* Configured instance group for auto scaling, to scale up and down, vertical and Horizontal.
* GKS, deployed Google Kubernetes Service for micros services to support application life cycle
* Cloud storage and integrations
* Creates Compute instances, user, roles, static ip’s, service accounts, load balancers, VPC network, etc.
* Create templates, new disk images, snapshots, storage and Buckets, health check, adding ssh\_keys to metadata and high availably zone configurations.
* Security center managements, vpc service control and general security configurations.
* Migration of on prem servers, applications and data to the cloud environment, eg, Google cloud platform.

RedHat Server

* I have written infrastructure as code to install and provision RedHat servers for PRODUCTION and TESTING, in the cloud environments. Such as AWS, Azure and google cloud platform, using terraform and Ansible.
* Completed over 20 tickets that involved troubleshooting equipment hardware issues
* Assisted in maintaining RedHat servers in lab environments at various sites
* I have patched and updated RedHat servers using RedHat satellite
* Provided support on weekends and odd hours to ensure little to no disruption of local and operational systems during scheduled maintenance and outages
* Managed daily activities to include user support and system administration tasks to RedHat servers

LEAD TYPE AND ROLE

Hands-on experience deploying VMware vSphere, Horizon View, vCenter, vCorps, etc. in an enterprise environment and creating and maintaining project plans and monitoring/notifying of critical failures or potential missed milestones

August 2014– December 2016

Library Technician/ System Administrator/ Devops Engineer

SEDETOS **{Community College of Baltimore County project}**

**Baltimore MD, 21215**

I worked as a Linux/Unix system administrator, where I install window server 2012 on a bare metal, and I then install VMware ESXi and I also install VMware workstation. I then create multiple linux virtual machines, Ubuntu, Centos etc, and assigned static IP addresses, I did an updates and upgrades, and I also harden the system for security purposes and security vulnerability. I then create users and groups and gave deferent permissions. I also created multiple Datacenters and deferent cluster inside ESXi, and I managed ESXi with vsphere web-client and vsphere client. I also increased disk size at some point when some vms where running low on disk space by using fdisk utility and PVcreate tools. I also did a lot of troubleshooting's, like resolving network issues and DNS services. I have an advance knowledge linux operating system and a very good trouble-shooting skills.

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[Started and managed biweekly optimization meetings with users and groups to address/grant permissions and resolve performance-related issues with a high degree of success]

Helping friends and family to troubleshoot their computer/servers remotely via TeamViewer and other remote applications.

# **Education**

[2005-2009]

* Ambrose Alli University, Ekpoma Nigeria

Bachelor of Science in Computer Science/

Computer Management

[2001-2003]

* Lagos state Polytechnic, Lagos Nigeria

Higher National Diploma (HND), in Information Technology

[Linux, Ansible, VMware Specialist.]

* Private classes at Bowie State University with Dr Wright

[How to provision AWS EC2 instances with Ansible]

# **Skills**

|  |  |
| --- | --- |
| 1. Linux system administrator 2. VMware Workstation 3. Huginn installation 4. Strong troubleshooting skills 5. ESXi Server/ Hypervisor 6. Ability to learn new technology 7. Remote Desktop 8. Jenkins 9. TeamCity 10. SQL 11. postgreSQL 12. OMD check MK 13. Nagios 14. LAMP Sever 15. Monitorix 16. SSH 17. Git-CI/CD 18. Infrastructure as code 19. AWS 20. AWS-Lunch Configuration 21. AWS-Auto Scaling up/down 22. AWS-Load Balancer 23. Microsoft Azure 24. Iaas/saas/paas | 1. Ansible 2. Ansible Tower 3. Server installations 4. vSphere web client 5. Monitoring Tools 6. NFS share builds/management 7. Red Hat 8. Centos 9. Solari 10. Ubuntu Server 11. Windows 2012 server 12. Active Directory 13. EC2 14. TERRAFORM 15. IAM 16. NFS 17. Installation of any kind of software and applications. 18. Google Cloud 19. Docker Container 20. Docker swarm 21. Docker compose file 22. Python 23. Release management |

**Linux Sysadmin/Ansible**

Ansible for Deployment and provisioning of Servers

Installed and configured Enterprise Application Platform.

Provided Web Server Support [Apache/Tomcat, and WebSphere].

Provided day to day support of the Test Environments and the users of their environments

Identified, documented, and communicated potential system problems.

Managed Red Hat Linux and VMware ESX servers

Played a key role in planning disaster recovery using configuration management.

Configured system group users to allow access to software channels for software installations, security policy for Linux and Ubuntu servers

# **Leadership**

I am also a leader and a team player, I can lead and also take directions and instructions from other leaders, I work very well with people. I attend leadership conferences every year.

Ability to learn quickly in a dynamic environment.

References

[Available upon request.]

LinkedIn: https://www.linkedin.com/in/kelvin-ikpeni-2022ab176/

LinkedIn: <https://www.linkedin.com/in/kelvin-ikpeni-8ba0ba263/>