**Walid Qayyum** Phone: (**315-664-1113**) [**walidqayyum123@gmail.com**](mailto:walidqayyum123@gmail.com)

Professional Overview

DevOps Engineer with 7+ years of hands-on System/Linux and Cloud Engineering experience. Managing Linux systems, Cloud environment (Azure, vSphere) service tools in cohesion with DevOps environments utilizing automation, build/release Management, software configuration management, service, incident, and change management. Looking towards a new opportunity to bring my skills and knowledge to a team environment requiring critical thinking and achieving substantial goals.

**Cigna** NYC, NY

**DevOps Engineer** 09/2019- Current

* Manage Kubernetes clusters in multiple environments through Argo CD and deployment of Kubernetes clusters through AKS, EKS and Helm
* Managing OpenShift deployments and OpenShift environment and configuring JSON templates for OpenShift deployments
* Configuration of Kong API and MuleSoft platform/services and managing MuleSoft jars containing applications and artifacts
* Implementation, configuration, and management of Azure services with focus on integration of in-house applications in pre-production environments
* Managing Users, Groups and policies through IAM Management Console
* Utilizing AKS on Azure to build highly scalable infrastructure and incorporate it within multiple production pipelines
* Provisioned and managed Kubernetes clusters using Amazon EKS.
* Deployed Docker containers and managed Kubernetes clusters.
* Configured Jenkins agents to run on OpenShift, leveraging Kubernetes-native resources for CI/CD pipelines.
* Management of day-to-day operations and administration of IT infrastructure through RHEL 7/8 Linux servers based on On–Prem and Hybrid Cloud environment
* Managing, deploying, troubleshooting Pipelines and builds for production applications and pre-production environments through Jenkins
* Large-scale management of environments (Dev, Operations, Build env, Prod env)
* Managing overall architecture and design for integration of new and upgraded architectural concepts and projects
* Creating Continuous Delivery architecture through Jenkins and anaconda scripts, automating manual builds from source code repositories
* Creating infrastructure in a coded manner (infrastructure as code) using Terraform and Ansible for configuration management of virtual environments
* Monitoring, Upgrading and patching of Rest API calls and microservices architecture to ensure smooth migration of servers within
* Deploying Terraform build and deployment automation scripts through Jenkins to automate build creation from developer side and using output variables to query data
* Management and orchestration of ARM templates within VM scale set solutions
* Implementation of SSL offloading onto secured load balancers and resolution of SSL and TLS issues
* Implemented MySQL processes, security management, encrypted connections and query optimizations
* Optimizing Snowflake for queries by configuring data pipelines and data flow (Clustering, Warehouses, Scaling policies)
* Configuration of Azure Vnet, VPN, and security groups to enable secure transmission to endpoints
* Implementation/configuration of AKS stack of production services and deployment of AKS clusters
* Designed and implemented a comprehensive observability framework using Open Telemetry across cloud-native applications and services, enhancing system visibility and application performance monitoring on the Azure platform.
* Collaborated closely with Incident Management teams, utilizing Open Telemetry and Splunk data to troubleshoot and resolve incidents swiftly, minimizing downtime and enhancing system reliability.
* Directed the integration of Open Telemetry with containerized environments managed by Kubernetes on AWS, enabling detailed observability of microservices and serverless architectures to support dynamic scaling and performance optimization.
* Developed comprehensive documentation and best practices for the implementation and management of Open Telemetry and Splunk within AWS environments, facilitating knowledge transfer and operational excellence across technical teams.
* Migrated blob storage resources and objects through Azure Storage Planning
* Configuring and provisioning pre-production environments using Ansible with focus on reusable dynamic playbooks and roles shortening deployment cycles
* Writing Python scripts for automation and implementing within lambda functions utilizing Python 3 with DynamoDB
* Managing Docker nodes and Docker containerization through Kubernetes
* Well versed in creation of S3 buckets utilizing IAM for management access with role-based policies to prevent unauthorized access while utilizing storage classes and Object Lifecycle for a more dynamic and scalable environment to address daily needs
* Utilizing Boto3 with Python to configure and deploy AWS infrastructure and services
* Writing Python scripts utilizing CloudWatch alarms and tracking metrics to set auto scale policies for EKS clusters
* Expertise in front/back-end Java applications
* Managing Azure VM’s load with ALB and utilization of auto scaling policies
* Managing VPC’s within private and public networks by creating and configuring various subnets, BGP extra-net routing on Azure, routing tables, and Internet gateways
* DDI (DNS, DHCP, IPAM) support, management, and implementation and DHCPD configuration of bare metal servers and clusters
* Pushing, pulling and management of code through GitHub repository, creation and deletion of branches of GitHub repository, and collaborating with developers to use streamlining tools on GitHub environment

Mt. Sinai NYC, NY

**Linux Administrator/Engineer** 07/2017- 08/2019

* Working within a LAMP stack environment to achieve project goals
* Managing services on RHEL systems (NFS, FTP, TFTP, DNS, DHCPD, PXE)
* Managing and troubleshooting web servers (Nginx, Apache, Tomcat, HTTPS)
* Setting up Apache to provision and administer front facing applications
* Cooperating with developers on deploying Java based applications through Tomcat
* Setting up distribution and orchestration of networking resources through load balancing methods and reverse proxies
* OpenShift to elevate infrastructure automation, employing its robust ecosystem to deploy and manage containerized applications across Azure Kubernetes Service (AKS). I crafted and executed Helm charts within Azure Cloud for streamlined CI/CD processes, ensuring high availability and consistent deployment experiences.
* Managed Kubernetes clusters in Azure Container Service (ACS), setting up multi-node clusters and deploying containerized applications.
* Streamlined CI/CD pipelines for OpenShift projects, ensuring high availability of applications.
* Experienced in deploying and managing AKS managed Kubernetes, creating AKS clusters through Resource Manager Templates and Terraform.
* Configured AWS Cloud Watch to collect logs and metrics from controllers, nodes and containers using open telemetry as a standard for instrumentation.
* Integrated kubernetes with registry, networking, storage, security and telemetry to provide comprehensive infrastructure and orchestrate containers across multiple hosts, on Azure.
* Utilizing memory swap to improve optimization and performance
* Creating Docker Containers from scratch utilizing Linux containers and AMI’s
* Writing Ansible playbooks to automate configuration of Docker containers
* Utilizing Python on vSphere environment automating CyberArk token assignment
* Installation, configuration, and deployment of virtual machines and clusters through VMware ESXi hypervisors
* Configured OpenShift networking components, including SDN and ingress controllers, and implemented security policies to ensure secure application deployment.
* Utilized Ansible to automate the deployment and management of OpenShift resources, including projects, services, routes, and persistent storage.
* Successfully deployed and managed multiple OpenShift clusters, ensuring high availability and scalability for enterprise applications.
* Established a Splunk-based centralized monitoring solution, integrating it with AWS services (Lambda, EC2, DynamoDB) and Kubernetes clusters, to provide deep insights into application performance and security, facilitating swift incident resolution and system optimization.
* Leveraged Kubernetes to deploy, load balance, and manage Docker containers across multiple namespaces, enhancing scalability and application management.
* Extensive experience in working with the vMotion and Storage vMotion technology enabling continuous service availability, and complete transaction integrity
* Creating Snapshots through LVM and VMware
* Strong experience with VMware HA (High Availability), Fault Tolerance, Distributed Resource Scheduler (DRS) and VMware Distributed Power Management, acquiring higher efficiency for VMware Infrastructure enabling improved disaster recovery practices
* Provisioning and troubleshooting of MySQL database issues
* Generating and management of SSH keys for multiple virtual machines
* Downloading, patching, and updating of systems and applications through yum and rpm
* Building and designing local repositories while managing Epel, and other public repositories
* Installing and managing bare metal machines (HP ProLiant, DELL R710) while accessing ILO and IDRAC to view and manage system hardware
* Configuring raid levels (0,1,5,6,10) to optimize read and write processes
* Set up PXE to automate deployment of virtual machines with custom kickstart
* Installation, configuration, and troubleshooting through Nagios plugins
* Monitor trouble ticket queues to attend user and system calls, attend team meetings, and for upcoming changes in the environment
* Installed Salesforce App exchange, managing and maintaining security permissions in accordance with architecture needs
* Managing networking and system services for high-end clients through RHEL 6/7 and PowerShell/Windows servers
* Modifying PostgreSQL database functions and implementing database architecture
* Downloading, patching, and updating of systems and applications through yum and rpm
* Managing permissions for users and groups with creating groups and policies according to groups security clearance

OS: Linux, Windows Cloud: Azure, vSphere,

Deployment: Argo CD, OpenShift Scripting: Python, Ansible, Bash scripting, Java

Monitoring: Nagios, Splunk, CloudWatch Virtualization: VMware, Azure

Education

**Zicklin School of Business**

*Bachelor of Science, Finance,*  2022