**Sahaibzada Imtiaz**

**Email Gmail:** ⁠[Imtiaznew0428@gmail.com](mailto:Imtiaznew0428@gmail.com)

**Professional Summary**

**Cloud** Engineer with overall **8+** years of experience with extensive experience in AWS Cloud, Solaris, Red hat Linux, Ubuntu &UNIX Server Administration, Docker, Ansible, Jenkin, GIT, and AWS Cloud that includes EC2, S3, IAM, VPC, IGW, NAT, EFS, Route 53.

* Experience working in variety of professional system support and solution-based IT services for Linux Systems, AWS and DevOps.
* Demonstrated expertise in various Linux distributions, including Ubuntu, CentOS, Red Hat, with a strong command of their respective command-line interfaces.
* Experienced in writing and maintaining shell scripts (Bash, Python, or Perl) to automate routine tasks, increasing efficiency and reducing manual errors.
* Experience in creating, managing and utilizing S3 buckets and Glacier for archival storage and backup on AWS.
* Experienced in using Splunk- DB connect for real-time data integration between Splunk Enterprise and rest all other databases.
* Proficient in Installation of VMware ESX server and creation of VMs and install different guest OS.
* Experience in migrating complete application infrastructure from physical datacenter to AWS cloud which includes Application, Database and Data Migration.
* Expertise in using build tools like MAVEN and ANT for the building of deployable artifacts from source code application Deployments & Environment configuration using Chef, Puppet.
* Experienced in creating alarms and notifications for EC2 hosts using CloudWatch and Developed automation scripting in Python (core) using Puppet to deploy and manage Java applications across Linux servers.
* Proficient in system administration tasks, such as user management, file permissions, disk management, and process control, ensuring the stability and security of Linux servers.
* Adept at package management systems (apt, yum, dpkg, rpm) for software installation, updates, and dependencies resolution, maintaining system integrity.
* Skilled in managing file systems, including formatting and mounting storage devices, monitoring disk usage, and performing file backups and restores.
* Experience working in VMware ESX (VSphere) 4.x, 5.x hypervisor for virtualization and installed different OS such as Linux (RHEL), SUSE, Windows.
* Experience with VMware Virtualization using ESX hypervisor of VSphere.
* Experienced in Cloud automation using AWS Cloud Formation templates.
* Experienced developing web applications with a Dynamo DB, Mongo DB, Elastic Search or similar data store.
* Experience in containerization technologies like Docker, allowing for the deployment and management of containerized applications.
* Proficient in creating Git Actions workflows that can run on multiple platforms, including Windows, macOS, and Linux.
* Proficient in configuring network interfaces, managing firewall rules (iptables), and troubleshooting network connectivity issues, ensuring reliable server communication.
* Experienced in managing processes, utilizing commands like PS, top, and systems to monitor, start, stop, and restart services, ensuring system availability.
* Competent in implementing security best practices, including disabling unnecessary services, setting up firewalls, and configuring secure SSH access, enhancing system security.
* Proficient in optimizing Linux server performance through tasks such as kernel parameter tuning, memory management, and CPU load balancing.
* Skilled in reviewing system logs (e.g., syslog, journal ctlg) and analyzing log data to troubleshoot issues, identify anomalies, and enhance system performance.
* Proficient in remote administration using SSH, SCP, and resync, facilitating efficient management of servers and data transfer.
* Competent in setting up and maintaining backup solutions (e.g., snapshot, tar) and performing data recovery in the event of system failures.
* Familiar with virtualization technologies like KVM and VirtualBox, enabling the creation and management of virtual machines for various purposes.
* Highly skilled in diagnosing and resolving Linux-related issues, utilizing log analysis, system monitoring tools, and knowledge of Linux internals.
* Adept at creating and maintaining comprehensive system documentation and procedural guides, ensuring knowledge transfer and team collaboration.
* Experienced in handling platform-specific tasks and configurations in cross-platform workflows.
* Expertise in filesystem management like creation, addition, resize and mounting the LVM filesystem with different types of file systems (ext2, ext3, ext4).

**EDUCATION**

Associate degree from QCC college Long Island Business Institute.

**TECHNICAL SKILLS:**

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| **Operating System** | Red Hat Linux 5/6/7, Cent OS 5/6/7, Ubuntu 12.04/14.04/16.04 and 18.04, OEL 6/7, SUSE Linux, IBM AIX, Windows 2003/2008 R2/2012 R2/2016 |
| **Third Party Tools** | Veritas Volume Manager, Logical Volume Manager, RAID, Veritas Cluster, Red hat Cluster, VMware ESX Technologies. |
| **Containerization Tools** | Docker and k8’s. |
| **Web Application Server** | Web Application Server Tomcat, Apache, Web logic Web sphere JBoss. |
| **Programming Languages** | C, Node JS, Java Script, Bash, Python, Perl, Power shell, Groovy, Ruby. |
| **Ticketing Tool** | Service Now and JIRA. |
| **Load Balancers** | F5, Avi and Nginx. |
| **DevOps Tools** | CI/CD, Jenkins, Git, GitHub, Gitlab and Gitlab Runners. |
| **Cloud** | AWS, Azure & OpenStack. |
| **Hardware** | Cisco UCS, Dell, HP, EMC, NetApp. |

**WORK EXPERIENCE**

**Cigna - Jersey City, NJ | 2022 July - Till Date**

Sr Cloud Engineer

**Responsibilities:**

* Designed and implemented end-to-end CI/CD pipelines using tools like Jenkins, GitLab CI/CD, or Travis CI, reducing deployment time and increasing release frequency.
* Managed and optimized cloud infrastructure on AWS/Azure/GCP through resource optimization, reserved instances, and auto-scaling policies.
* Worked on implementing backup methodologies by Power Shell Scripts for Azure Services like Azure SQL Database, Key Vault, Storage blobs, App Services etc.
* Worked on multiple AWS instances like Elastic Load Balancer (ELB), AIML, Security groups, and AMIs, Autoscaling to design cost effective strategies.
* worked on GRUNT and NODE.JS to build war, jar files and store in maven repository in Jfrog Artifactory Server.
* Managed and optimized database systems (e.g., MySQL, PostgreSQL, MongoDB) with a focus on performance tuning, backup and recovery, and high availability.
* Created alarms, monitored & collected log files on AWS resources using CloudWatch on EC2   instance which generates Simple Notification Service (SNS).
* Used AWS Beanstalk for deploying and scaling web applications and services developed with Java, PHP, Node.js, Python & to perform application health checks. Integrated AWS Lambda with AWS DynamoDB to automatically respond to events in DynamoDB streams.
* Involved in implementing Ansible configuration management and maintaining them in several environments on AWS cloud and VMware.
* Used Ansible Python Script to generate inventory and push the deployment to AWS Instances.
* Written multiple manifests and customized facts for efficient management of the Ansible clients.
* Building/Maintaining Docker container clusters managed by Kubernetes, Linux, Bash, GIT, Docker, on GCP. Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy.
* Worked in the area of Virtualization with VMware vSphere, ESXi 5.1, 5.0, 4.1, ESX 4.0 servers, vCenter server 2.5, 4.0, 5.0, 5.1 and vCenter Converter 4.0, 5.0, VCloud director
* Built Jenkins jobs to create AWS infrastructure from GitHub repos containing Terraform code.
* Automated applications and MySQL container deployment in Docker using Python and monitor them using Nagios.
* Orchestrated Docker containers with Kubernetes, streamlining application deployment, scaling, and management, leading to improved service availability and fault tolerance.
* Maintained and developed Docker images for a tech stack including Cassandra, Kafka, Apache, and several in house written Java services running in Google Cloud Platform (GCP) on Kubernetes.
* Implemented monitoring solutions such as Prometheus and Grafana to proactively identify and resolve system issues, reducing system downtime.
* Implemented continuous delivery framework using Jenkins, Puppet, and Maven on multiple environments.
* Used Splunk to monitor the system logs as well as notify the incident management system upon exceeding thresholds.
* Implemented AWS Code Pipeline and Created Cloud formation JSON templates in Terraform for infrastructure as code.
* Integrated security practices into CI/CD pipelines, performed regular vulnerability assessments, and ensured compliance with industry standards, resulting in reduction in security incidents.
* Developed and tested disaster recovery strategies, ensuring minimal downtime and data loss in case of system failures.
* Virtualized servers in Docker as per test environments and Dev-environments requirements and configured automation using Docker containers.
* Stayed current with emerging DevOps technologies and evaluated their potential for adoption to enhance system reliability and performance.
* Designed, deployed, and maintenance of a full stack Kubernetes environment, running on Google Cloud Platform (GCP) and setup alerting and monitoring using Stack driver in GCP.
* Responsible for MongoDB installation, configuration and administration. Also ensured connection to RDS database is running on MySQL engines.
* Supported java applications and maintained without any High incidents.
* Designed and implemented by configuring Topics in new Kafka cluster in all environments.
* Deployed applications in Tomcat containers.

**Environment:** AWS EC2, VPC, S3, GIT, VPC, Route53, Maven, Jenkins, EBS, SQL, ELB, Cloud Watch, Cloud Formation, Docker, Kubernetes, Kafka, Jira, Terraform, Elastic Search, NIX/LINUX Bash, Golang, Shell script, Python, Apache Tomcat, MongoDB, Oracle DB.

**Chase Bank NYC, NY | 2020 April - 2022 June**

Cloud Engineer

**Responsibilities**

* Organized different infrastructure resources like physical machines, VMs and even containers using Terraform.
* Spearheaded the adoption of IaC principles, utilizing Terraform and Ansible to manage infrastructure, resulting in faster provisioning, increased scalability, and consistent configuration across the entire ecosystem.
* Led cloud architecture design and optimization efforts on AWS, Azure, or GCP, achieving substantial cost reductions through efficient resource management, auto scaling, and intelligent cost allocation.
* Wrote puppet manifests for deploying, configuring and managing collected for metric collection and monitoring.
* Implemented advanced monitoring and observability solutions with Prometheus, Grafana, and ELK stack, creating a real-time insights platform and reducing incident response times.
* Designing AWS Cloud Formation templates using JSON and YAML to create multi-region web applications and databases.
* Orchestrated containerized workloads at scale using Kubernetes, managing complex microservices architectures, and improving application resilience, scaling, and maintainability.
* Managed high-traffic databases (e.g., PostgreSQL, MongoDB, Cassandra) with expertise in performance tuning, replication, shading, and backup strategies, achieving sub-millisecond response times.
* Automated repetitive admin tasks including logging, monitoring, log rotation and backups. Built custom RPMs, mirrored YUM and application repos.
* Automate, configure and deploy instances on AWS, Azure cloud environments.
* Designed, Architected and implemented the Platform as a service built for multi-tenant platform within the Hybrid cloud infrastructure within AWS and Azure.
* Organized different infrastructure resources like physical machines, VMs and even containers using Terraform.
* Setup the private Docker registry using the Nginx and J frog Artifactory, managed major architecture changes from single server large software system to a distributed system with Docker and Kubernetes orchestration.
* Transformed traditional environment to virtualized environments with AWS-EC2, Docker, Vagrant and VMware.
* Creation, Installation and administration of Red Hat Virtual machines in VMware Environment.
* Used SSL for the encryption of data to ensure secured communication. Updating and maintaining Relational databases in AWS using RDS and also use Elastic Map Reduce (EMR) for analyzing the data stored in the databases.
* Configured, managed monitoring tools such as Splunk, Nagios for Resource Monitoring/Network Monitoring/Log trace Monitoring.
* Performed OS provisioning using kickstart through BMC Blade Logic.
* Create, extend, reduce and administration of Logical Volume Manager (LVM) in RHEL environment.
* Design and Implement virtualization solutions based on VMware vSphere ESXi, ESX platform, vCenter
* Designed and deployed AWS solutions using E2C, S3, RDS, EBS, IAM Elastic Load Balancer, Autoscaling groups, etc.

**Environment:** DevOps, GIT, TFS 2015, Azure, IIS, Chef, Apache Webserver, Windows Server 2008, 2012, Splunk, Remedy, .NET, Perl, Shell, TFS 2013, PowerShell, SQL Server 2014, Windows.

**Freddie Mac - McLean, Virginia | 2018 January - 2020 March**

Linux Admin/DevOps Engineer

**Responsibilities**

* Managed and maintained Linux-based servers (Ubuntu, CentOS, Red Hat) in both physical and virtualized environments, ensuring optimal performance, security, and reliability.
* Maintained and Administered GitHub Source Code Tool and Created Branches, Labels and performed Merges in Stash and GitHub.
* Used bash shell scripting to do administrative automation tasks including, installing, configuring, managing files, users, and repositories, applications, debugging, and troubleshooting.
* Installation, administration, implementation, testing and maintenance of complex and heterogeneous networks consisting of LINUX.
* Installed Jenkins on a Linux machine and created a master and slave configuration through a build farm for the implementation of multiple parallel builds.
* Implemented AWS solutions using EC2, S3, RDS, EBS, VPC, Elastic Load Balancer, Auto-scaling groups.
* Worked with the development team to generate deployment profiles (jar, war, ear) using ANT Scripts and Jenkins.
* Installation, configuration and administration of Jboss, Apache, WebLogic, Tomcat and WebSphere up gradation of Red Hat Linux 4, 5.X, and using Blade Logic.
* Performed VMotion using the vCenter on the ESX machines for migrating the VMs online.
* Primary responsibility includes building of new servers which includes rack mounting, installation of OS, configuring of various OS-native and third-party tools, securing of OS, installing &configuring, job scheduling.
* Worked on Grub, PXE boot, Kickstart, Packages, YUM, RPMs, LVM, Boot from SAN, file system configuration.
* Implemented Puppet, Splunk, and Chef tools Installed and integrated various plugins in Jenkins for continuous integration of the code from repository.
* Rebuilding of kernel in RHEL Worked on projects like PCI, SR to ensure all goes well and provided support till servers go into production environment.
* Utilize AWS CLI to automate backups of ephemeral data-stores to S3 buckets, EBS and create nightly AMIs for mission critical production servers as backups.
* Worked on Apache, MYSQL and PHP servers together known as LAMP.
* Configured and deployed patches, upgrades, bug fixes on both physical and virtual RedHat Linux servers using satellite servers.
* Installation and Maintenance of Oracle 10g, 11g on LINUX and Window platforms.
* Involved in maintaining the repository in the distributed environment using Git.
* Performed patching of RHEL using yum, up2date and BladeLogic.
* Supporting infrastructure environment comprising of RHEL and Solaris.
* Creation of SAN File System on RedHat Linux using multipath configuration.
* Configuration of Monitoring tools in Linux and Solaris servers.
* Performance tuning of Virtual Memory, CPU, system usage in Linux and Solaris servers.
* Supported class monitoring and management tools such as Open NMS, Tivoli and VCO.
* Installing and monitoring all the four servers in LAMP.
* Resolved TCP/IP network access problems for the clients.
* Managed Atlassian Tool JIRA.

**Environment:** Red Hat Enterprise Linux, CentOS, AWS, Chef, Jenkins, Vagrant, GIT, Nexus, VMware, Shell Scripting, Perl, Python, LDAP, LVM, Apache Webserver.

**Wells Fargo - Charlotte, NC | 2015 March - 2017 December**

Linux Administrator

**Responsibilities**

* Monitoring day-to-day activities like user management, performance monitoring and tuning, alert log monitoring and backup monitoring. Planning and implementing system Backup and Recovery procedures using Ufsdump, tar, and cpio. Created UNIX bash scripts to automatically provision profile permissions, directories, and chroot settings per profile or user role.
* Set up and maintained web servers (Apache, Nginx) and application stacks (LAMP, MEAN), tuning them for optimal performance and scalability, resulting in decrease in page load times.
* Responsible for installing Kubernetes and deploying application on containers in Kubernetes.
* Installation and configurations of Apache Web Server & Tomcat Server in RHEL 5.0 & 6.0
* Having experience in Hardware maintenance, replacement of the server, Upgrade of Kernel & OS, Server migration and Virtualization.
* Configuring and Maintaining the Disk Quotas and ACL (Access Control Lists) for users.
* Configuring the LVM (Logical Volume Manager) and extended the logical volumes online.
* Having experience on automation concepts like shell scripting and capable of preparing scripts from project perspective.
* Managed and maintained Linux-based servers (Ubuntu, CentOS, Red Hat) in both physical and virtualized environments, ensuring optimal performance, security, and reliability.
* Installed Jenkins on a Linux machine and created a master and slave configuration through a build farm for the implementation of multiple parallel builds.
* Experienced in authoring pom.xml files, performing releases with the Maven release plugins, and managing artifacts in the maven internal repository.
* Deployed code on Tomcat, and JBoss Application Servers for UAT and Development environments.
* Installed, Configured, and maintained Windows Servers.
* Assisted in installation, configuration, and administration of RedHat Linux CentOS using Kickstart servers and unattended disk.
* Storage setups, RAID, Logical Volume Manager, system backup design, and disaster recovery.
* Assisted in monitoring network security and intrusion detection while adjusting and updating systems to meet the company's requirements.
* Experience in installation, configuration, upgradation, patching, monitoring, troubleshooting, and Deployment and management of web and enterprise applications on Linux Servers.
* Configured CPU, memory, and disk partitions as required as well as Systems performance monitoring.
* Assisted in creating and managing users and groups, assigning permissions, and controlling access to files.
* Creating and Managing the File Systems.

**Environment:** Shell Scripting, Linux kernels, windows servers, PowerShell.