**SHAIK SAMEERA**

**DevOps Engineer**

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**PROFESSIONAL SUMMARY:**

* **3.9 years of IT experience** as a **DevOps Engineer and Linux Admin** in automating, building, and deploying of code from one of environment to another environment.
* Designed and maintained **AWS** infrastructure highly available, scalable, secured, monitored and alerting network infrastructure.
* Experienced in Managed **AWS** infrastructure with automation and configuration management tools such as **Docker.**
* Performed **Continuous Delivery** in a microservice infrastructure with **Amazon cloud, Docker, Kubernetes** and **Amazon ECS**.
* Hands on experience in using a broad range of AWS services **(EC2, ELB, S3, EBS, and CloudWatch)**.
* Hands on Experience on **Git SCM** supported the Configuration Management Process, Created and maintained Projects with in the **Git/Github**, added Collaborators/Contributors to projects and performed upgrades and installs
* Created build environments for **Java** using **Jenkins and Git/GitHub.**
* Experience in **Jenkins** like plugin management, securing and scaling Jenkins, integrating analysis, performance issues, Analytics and Test phases to complete the **CI/CD Pipelines** within Jenkins.
* Experience working on several **Docke**r components like **Docker** Engine, Hub, Machine, creating **Docker** images, Compose, **Docker** Registry and handling multiple images primarily for middle ware installations and domain configurations. Responsible for installation & configuration of Jenkins to support various Java builds and Jenkins plugins to automate continuous builds and publishing **Docker** images to the docker hub.
* Experience with container-based deployments using **Docker**, working with **Docker images, Docker Hub and Docker-registries and Kubernetes.**
* Used **Jenkins** pipelines to drive all micro services builds out to the Docker registry and then deployed to

**Kubernetes**, Created Pods and managed using **Kubernetes**

* Building/Maintaining **Docker container clusters** managed by Kubernetes Linux, GIT, Docker. Utilized

**Kubernetes and Docker** for the runtime environment of the CI/CD system to build, test deploy.

* Involved in development of test environment on **Docker containers** and configuring the **Docker containers using Kubernetes**.
* Developed microservice on boarding tools leveraging Python and Jenkins allowing for easy creation and maintenance of build jobs and **Kubernetes deploy** and services.
* Worked on deployment automation of all the **micro services** to pull image from the private docker registry and deploy to **docker swarm** cluster using Ansible.
* Building/Maintaining **Docker container clusters** managed by **Kubernetes,** Linux, GIT, Docker, on AWS
* Worked on infrastructure with **Docker containerization** and maintained **Docker Images** and **containers.**
* **Kubernetes** is being used to orchestrate the deployment, scaling and management of **Docker** Containers.
* Worked on Micro Services deployments on AWS ECS and EC2 instances
* Implemented **docker-maven-plugin** in maven pom to build docker images for all microservices and later used **Docker file** to build the docker images from the java jar files.
* Implemented build stage- to build the micro service and push the docker container image to the **private docker registry.**
* Team player with excellent interpersonal skills, self-motivated, dedicated and good customer support experience.

# TECHNICAL SKILLS:

AWS : **EC2, ELB, S3, EBS, ECS, and CloudWatch**

Versioning Tools : GIT

CI/CD Tools : Jenkins, Docker, Kubernetes

Monitoring Tools : CloudWatch

Scripting : YAML

Web/App server : Apache Tomcat, Nginix

Operating Systems : Linux, Windows

# PROFESSIONAL EXPERIENCE:

## Infoneering Technologies Pvt Ltd, Bangalore

## April 2019 to Till date

# Role: Devops Engineer

**Responsibilities:**

Worked on using a **GIT** branching strategy that included develop branches, feature branches, staging branches and master. Pull requests and code reviews were performed.

* Performed merging from development to parent branches in GIT prior to building the code.
* Installed and configured **GIT** server on **Linux** via the **Apache** Web Server to provide access over the Http protocol.
* Provided recommendations and helped set up the CM process to the company’s one of the development teams on using **Git and GitHub** repositories.
* Installing, configuring and administering **Jenkins CI** tool on Linux machines.
* Installed **Jenkins** on a **Linux** machine and created a master and slave configuration to implement multiple parallel builds through a build farm.
* Worked on setting **Docker** container and maintaining **Docker images** and worked on Testing CI/CD tools on **Docker.**
* Implemented a production ready, load balanced, highly available**, fault tolerant Kubernetes** infrastructure.
* Created private cloud using **Kubernetes** that supports DEV, TEST, and PROD environments.
* Created a Continuous Delivery process to include support building of **Docker Images** and publish.

## Managed Docker orchestration and Docker containerization using Kubernetes.

* Used **Kubernetes** to orchestrate the deployment, scaling and management of Docker Containers.
* Responsible for installation & configuration of Jenkins to support various Java builds and Jenkins plugins to automate continuous builds and publishing **Docker images.**
* Integrated **GIT with Jenkins** to implement the continuous integration (CI) process.Integrated Amazon **Cloud Watch** with Amazon EC2 instances for monitoring the log files and track metrics.
* Developed Cloud Formation scripts to build on demand EC2 instance formation.
* Utilized AWS CLI to automate backups of ephemeral data-stores to **S3** buckets and **EBS**.
* Configured and maintained the monitoring and alerting of production and corporate servers/storage using

## Cloud Watch.

* Created AWS **S3** buckets, performed folder management in each bucket.
* Created Highly Available Environments using **Auto-Scaling and Load Balancers**
* Configured **Elastic Load Balancers** with EC2 Auto Scaling groups
* Configured **S3** to host Static Web content.
* Created monitors, alarms and notifications for EC2 hosts using **Cloud Watch**
* Configured AWS Identity Access Management (**IAM)** Group and users for improved login authentication.

**Environment**: GIT, Jenkins, Maven, Docker, Kubernetes, Tomcat, Shell Scripts, AWS services (EC2, S3, AutoScaling Groups, Elastic Load Balancer, Cloud Watch, IAM)

## Infoneering Technologies Pvt Ltd, Bangalore

**March 2018– March 2019**

# Role: Jr Linux Admin

**Description**: The objective of this import business project is to automate the approval process required before the request is sent to the supplier.

* + Created, cloned Linux Virtual Machines, templates using **VMware Virtual**
  + Client 3.5 and migrating servers between **ESX** hosts.
  + Managed systems routine backup, scheduling jobs, enabling system logging and network logging of servers for maintenance.
  + Performed **RPM** and **YUM** package installations, patch and other server management.
  + Managed patch configuration, version control, service pack and review connectivity issues regarding security problems.
  + Installed and configured Logical Volume Manager - **LVM**
  + Administrated **DHCP**, **DNS**, and **NFS** services in Linux.
  + Created and maintained user accounts, profiles, security, rights disk space and process monitoring.
  + Provided technical support by troubleshooting Day-to-Day issues with various Servers on different platforms.

**Environment:** GIT, DB2, UNIX, Windows XP.