**IMAM AHMED SYED**

**Senior DevOps Engineer Email:** syedimam24@gmail.com

 **Ph. No:** 510-518-7803

**Aws DevOps Engineer** with around **9+ years of IT** experience in automating, building, deploying, and releasing code from one environment to otherenvironment. Skilled in cloud computing, information management, application development, and virtualization. Demonstrated mastery in evaluating requirements for business application integration and service activation.

**Professional Summary:**

* Experience on **DevOps** essential tools like **Chef, Ansible, Docker, Kubernetes OpenShift, Jenkins, Hudson, ANT/Maven.**
* Expertise in working on version control systems like Subversion, and GIT and used Source code management client tools like Visual SVN, Tortoise SVN, CVS, Perforce and GIT
* Experienced in Containerization and Orchestration of immutable infrastructure using Docker containers and creating Kubernetes Pods using various platforms such as KOPS, OpenShift, Kubeadm.
* Installed, configured and managed the ELK (Elastic Search, Log Facilitated Scrum ceremonies like Sprint planning, retrospectives, Daily stand-ups, etc. Stash and Kibana) for Log management within EC2/ Elastic Load balancer (ELB) for Elastic search.
* Expertise in working with Bitbucket/Bamboo/AWS/Terraform, Microservice.
* Expertise working with Amazon Web services (AWS) and implemented solutions using EC2, S3, and RDS in cloud formation Json templates, EBS, Elastic Load Balancer, Auto Scaling Groups, Auto scaling Launch Configuration and Auto scaling Lifecycle Hooks.
* Expertise working with AWS Cloud Watch, Cloud Formation, Cloud Trail Services and cloud front to setup and manage the cached content delivery.
* Expertise in working on DevOps/Agile operations process and tools area (Code review, unit test automation, Build and Release automation, Environment, Service, Incident and charge Management).
* Expertise in terraform and integration between terraform and github
* Hands on experience in Installation, Maintenance of OpenShift, Kubeadm, Kops to Manage Cluster & Deploy Docker Images & Kubernetes Pods, services and operation of application containers across clusters of hosts.
* Worked on creating and implementing application monitoring, and logging strategies using New Relic, Log stash, Elastic Search and Kibana.
* Experience on Kubernetes to manage containerized applications using its nodes, Config Maps, selectorservices and deployed application containers as Pods.
* Experience on 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, Bash, GIT, Docker, on GCP (Google Cloud Platform).
* Created Kubernetes cluster with objects like Pods, Deployments, Services and ConfigMaps and created reproducible builds of the Kubernetes applications, managed Kubernetes manifest files and Helm packages and implemented Kubernetes to deploy scale, load balance, scale and manage Docker containers with multiple namespace versions.
* Worked with Docker and Kubernetes on multiple cloud providers, from helping developers build and containerize their application (CI/CD) to deploying either on public or private cloud.
* Experience working with AWS Cloud Watch, Cloud Formation, Cloud Trail Services and cloud front to setup and manage the cached content delivery.
* Experienced in working on DevOps/Agile operations process and tools area (Code review, unit test automation, Build&Release automation, Environment, Service, Incident and charge Management).
* Experience in using Bug tracking tools like JIRA, Remedy, HP Quality Center and IBM ClearQuest.

**Education:**

* **Bachelors**from JNTUH in Computer Science in year, India, 2013
* **Masters** from Northwestern Polytechnic University in Computer Science, USA , 2015

**Technical Skills:**

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| **Operating Systems** | Windows XP/Vista/7/8/10, LINUX (RHEL, Ubuntu) REDHAT. |
| **Version Control System** | Git, GitHub, Subversion (SVN) |
| **CI Tools** | Jenkins, ANT, Maven, TeamCity |
| **Cloud(IAAS Providers)/Technologies** | AWS (EC2, S3, VPC, SNS, Route53, CloudWatch, DynamoDB, IAM, Lambda), IaaS, PaaS, Microsoft Azure, Google Cloud Platform (GCP)  |
| **Configuration Management Tools** | Chef, Puppet, Ansible |
| **Infrastructure Management Tools** | PagerDuty, Zabbix |
| **Virtualization Tools** | Visual Studio 2008/2010, Oracle Virtual Box |
| **SDLC** | Agile, Scrum, Waterfall |
| **Containers** | Docker, Kubernetes |
| **Repository Management** | Nexus, JFrog Artifactory |
| **Bug Tracking Tools** | JIRA, Remedy, HP Quality Center, IBM Clear Quest, Mingle |
| **Web/Application Servers** | Apache, Tomcat, JBOSS, NGINX |
| **Languages/Scripting** | C/C++, Java, Go(Golang), Python, Shell, .Net, PL/SQL, Liquibase |
| **Web Technologies** | JDBC, JSP, HTML, Java Script, XML |
| **Databases** | Oracle, TFS, SQL SERVER, MYSQL, DB2, Liquibase, Mongo DB |

**US Department of Veterans Affairs, Washington DC June 2024 - Till Date**

**Senior AWS/ DevOps Engineer**

* Experience at DevOps Engineering in automating, building, deploying, and releasing of code from one environment to another environment.
* Defined and Implemented Configuration Management and Release Management Processes, Policies and Procedures.
* Troubleshooting problems, involving the appropriate resources and driving resolution of issues with a focus on minimizing impact to our customers.
* Provide on-call support and possibly some after-hours work as needed.
* Participate in the Agile DevOps design, development, testing, and release of new capabilities and features with focus on release and post-production support.
* Represent production support for the suite of apps in the domain in Agile stand-ups, planning sessions and deployment activities.
* Drive improvements to processes and design enhancements to automation to continuously improve the production environment.
* Worked within a team of like-minded professionals to plan, deploy, and maintain critical business applications prod/non-prod AWS environments.
* Design and implement appropriate environments for those applications, engineer suitable release management procedures and provide production support.
* Expertise includes shell scripting with focus on DevOps tools, CI/CD Architecture and hands-on Engineering.
* Experience with AWS, Cloud technologies, Technics and Methodologies. Expertise in Amazon AWS Cloud Administration which includes services: EC2, S3, EBS, VPC, ELB, Route 53, Auto Scaling, Security Groups, SNS, SQS and Cloud Formation.
* Involved in release planning with team using Version One and Jira. Analyze and resolve compilation and deployment errors related to code development, branching, merging and building of source code repository using GIT version control.
* Created new build jobs, integration testing jobs and deploy jobs in Jenkins to automate the process. Used Terraform in managing resource scheduling, disposable environments and multitier applications.
* Deployed Docker Engines in Virtualized Platforms for containerization of multiple apps.
* Experience in using Nexus and Artifactory Repository Managers for Maven builds. Extensive experience in developing and maintaining build, deployment scripts for Test, Staging and Production environments using ANT, Maven, Shell and Perl scripts.

**Environment:** EC2, Elastic Load Balancing, Elastic Bean Stalk, ECS, Elastic Search, Liquibase,OpenShift, CloudFront, CloudFormation, Elastic Cache, Apigee, CloudWatch, Azure, Route 53, Redshift, Lambda and Dynamo DB, LAMP, Nagios, Terraform, Kubernetes, Docker, Linux, Tomcat, WebSphere, Nexus, Ansible, Jenkins, Maven, Bash scripts, SVN, and GIT

**United Airlines, Chicago, IL Nov 2022- May 2024**

**Senior AWS/ DevOps Engineer**

* Collaborating with software development teams to integrate DevOps practices into the software development lifecycle.
* Applying Agile development methodologies to facilitate faster and iterative software delivery.
* Implementing and managing Continuous Integration (CI) and Continuous Deployment (CD) pipelines to automate software build, testing, and deployment processes.
* Developing and maintaining build automation tools and scripts to streamline software delivery
* Managing release management processes to ensure successful software releases and version control.
Automating infrastructure tasks and configurations using configuration management tools like Ansible, Puppet, or Chef
* Provisioning systems and managing cloud infrastructure across AWS, Azure, or GCP platforms.
Optimizing cloud infrastructure to ensure cost efficiency and scalability.
* Setting up and maintaining monitoring systems using tools like Prometheus, Grafana, ELK stack (Elasticsearch, Logstash, Kibana), and other related technologies
* Monitoring system health, performance, and security to proactively identify and address issues.
Responding to incidents, troubleshooting problems, and resolving issues in a timely manner
* Managing incident response processes and participating in on-call support rotations.
* Implementing security best practices and ensuring compliance with industry standards and regulations.
* Conducting vulnerability assessments and implementing appropriate measures to address security risks
* Automating tasks and workflows using scripting languages such as Bash, Python, or PowerShell.
* Documenting processes, procedures, and systems to maintain an organized knowledge base.
* Sharing knowledge and collaborating with team members to foster a learning culture.
* Creating runbooks and maintaining documentation for troubleshooting and incident management.
* Following Agile methodologies and DevOps principles to drive continuous improvement. Collaborating wit
* software development teams to integrate DevOps practices into the software development lifecycle. Applying Agile development methodologies to facilitate faster and iterative software delivery. Implementing and managing Continuous Integration (CI) and Continuous Deployment (CD) pipelines to automate software build, testing, and deployment processes.
* Developing and maintaining build automation tools and scripts to streamline software delivery. Managing release management processes to ensure successful software releases and version control.
* Automating infrastructure tasks and configurations using configuration management tools like Ansible, Puppet, or Chef. Provisioning systems and managing cloud infrastructure across AWS, Azure, or GCP platforms.
* Optimizing cloud infrastructure to ensure cost efficiency and scalability. Setting up and maintaining monitoring systems using tools like Prometheus, Grafana, ELK stack (Elasticsearch, Logstash, Kibana), and other related technologies. Monitoring system health, performance, and security to proactively identify and address issues.
* Responding to incidents, troubleshooting problems, and resolving issues in a timely manner. Managing incident response processes and participating in on-call support rotations.
* Implementing security best practices and ensuring compliance with industry standards and regulations. Conducting vulnerability assessments and implementing appropriate measures to address security risks.
* Automating tasks and workflows using scripting languages such as Bash, Python, or PowerShell. Documenting processes, procedures, and systems to maintain an organized knowledge base. Sharing knowledge and collaborating with team members to foster a learning culture.
* Creating runbooks and maintaining documentation for troubleshooting and incident management. Following Agile methodologies and DevOps principles to drive continuous improvement.

**Environment:** EC2, Elastic Load Balancing, Elastic Bean Stalk, ECS, Elastic Search, Openshift, CloudFront, CloudFormation, Elastic Cache, Apigee, CloudWatch, Azure, Route 53, Redshift, Lambda and Dynamo DB, LAMP, Nagios, Terraform, Kubernetes, Docker, Linux, Tomcat, WebSphere, Nexus, Ansible, Jenkins, Maven, Bash scripts, SVN, and GIT

**Pacific Gas and Electric Company (PG&E), CA Jan 19 – Oct 2022**

**OpenShift DevOps Engineer**

**Responsibilities:**

* Leveraged AWS cloud services such as EC2, auto-scaling, and VPC to build secure, highly scalable and flexible systems that handled expected and unexpected load bursts
* Worked on AWS Cloud Watch, Cloud Formation (CFT), Cloud Trail services and Cloud Front to set up and manage cached content delivery. Provisioned AWS resources using management console as well as CLI.
* Wrote Automated shell scripts to ensure Openshift -Environment is monitored end to end so that we can monitor in Bank's internal script based Monitoring tool.
* Utilized Oracle and MySQL DBMS, Amazon Elastic Cloud, Amazon’s Elastic Map Reduce, DataStax Solr and DataStax Cassandra.
* Designed scalable and highly available Domain Name System (DNS) within AWS Cloud to route traffic to AWS Cloud from users connected using AWS Direct Connect for larger deployments
* Experience in support instances running Fedora, Debian, Ubuntu, Centos and RedHat Linux.
* Design, build, maintain and support the Apigee infrastructure
* Planned, designed and configured Hybrid cloud which enabled servers containing highly sensitive data on-premise while connecting with servers migrated to AWS cloud.
* Configured, monitored and automated Google Cloud Services as well as involved in deploying the content cloud platform using Google compute engine, Google storage buckets.
* Created Google storage buckets and maintained and utilized the policy management of these buckets and Glacier for storage and backup on Google cloud. Also Configured a Google cloud Virtual Private Cloud (VPC) and Database Subnet Group for isolation of resources.
* Implemented the containerized orchestration solution for WCS V9 on DEV and QA environments on OpenShift Container Platform (OCP) 3.10.
* Monitoring using ELK (Elastic stack - Elastic Search, Logstash and Kibana) and Filebeat
* Implemented routing rules and validation policies in APIGEE.
* Wrote Ansible Playbooks with SSH as the Wrapper to Manage Configurations of GCP Nodes and Test Playbooks on Google -cloud instances using Shell and PowerShell. Created the Projects, Job templates and Inventory in Ansible-Tower and Integrated the GitHub and setting-up complete Pipeline process for application teams.
* Operated on several prototype OpenShift projects involving clustered container orchestration and management.
* Experienced in providing day-to-day user administration like adding/deleting users in local and global groups on Red Hat Linux platform and managing user's queries
* Bundled automation content with Ansible roles to make the content reusable & made possible advanced execution in automation & Installed packages on remote Agent-less nodes through Ansible playbooks with Ansible roles.
* Well versed in using Ansible and Ansible Tower to automate repetitive tasks, to deploy critical applications quickly, and proactively manage the changes and wrote several playbooks to manage Web applications.
* Have involved in creating different Apigee API documents as part of the project requirements.
* Implemented puppet modules for server housekeeping & actively involved in architecting the puppet infrastructure to manage servers in different environments & deployed web apps using Puppet by developing the manifests. Also responsible for creating and importing all the environments required for running the project.
* Implemented cloud services IAAS, PAAS, and SaaS which include Openstack, Docker and OpenShift.
* Implementation and administration of VMware ESXI 5.x, 6.0vCenter for running Red hat Linux, Servers on Production and Development.
* Automated configuration and deployment of Linux and Windows using Puppet, Also developed automation scripting in Python (core) with the use of Puppet for deploying and managing Java applications on Linux servers
* Experience in using GIT and Rational Linux Clear case on UNIX and Windows environment.
* Implemented a production-ready, load-balanced, highly available, fault-tolerant, auto-scaling Kubernetes - Google Cloud Platform infrastructure and microservices container orchestration.
* 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.
* Involved working with a PaaS solution such as RedHat Openshift.
* Wrote CI/CD pipeline scripts to enable end to end setup of build & deployment using CloudBees Jenkins and developed an end to end CI/CD Pipelines in Jenkins to retrieve code, perform tests and push build artifacts to Nexus.
* Experience in System Administration, System Builds, Server builds, Installs, Upgrades, Patches, Troubleshooting, Security, Backup, Disaster Recovery, Performance Monitoring and Fine-tuning on UNIX Red Hat Linux Systems.
* Set up CI (Continuous Integration) and CD (Continuous Deployment) for major releases in Jenkins to schedule jobs using PollScm and deploy code in Staging and Production environments.
* Built end to end CI/CD Pipelines in Jenkins to retrieve code, compile applications, perform tests and push build artifacts to Nexus to orchestrate changes across servers and components. Maintained the Nexus to store the war, jar files that are deployed by using Ansible in Jenkins.
* Launched Database for MySQL 5.x and Oracle 11.x using RDS in multiple Available zones have set up monitoring for CPU Utilization and limited DB connections by implementing alarms using Splunk.
* Worked with Consul for service health checks and node discovery, Experience on working with HashiCorp vault and Consul-template for retrieval of secrets and keys respectively.

**Environment**: AWS, GCP, Redhat, Elastic Serach, MySQL, Apigee, Mongo DB, Oracle, Groovy, Bash, Python, Boto3, Terraform, Kubernetes, Docker, Openshift, Azure, Jenkins, GitHub, linux, GIT, Maven, Tomcat, Apache, Web-sphere, Puppet, Behave, Cucumber, Gherkins, Ansible, Splunk, Consul, Nexus, RHEL, shell.

**Sun Trust Bank - Atlanta, GASep 2015- Dec2017**

**DevOps/AWS/Cloud Engineer**

**Responsibilities:**

* Responsible for day to day Build and deployments in Dev, QA, pre-production and production environments. Implemented AWS high availability using AWS Elastic Load Balancing (ELB), which performed balance across instances in multiple availability zones
* Configured AWS Elastic load balancing for deploying applications in high availability.
* Application Deployments & Environment Linux configuration using Chef, Saltstack and Ansible.
* Managed Cloud Services using AWS Cloud Formation, which helped developers and businesses an easy way to create a collection of, related AWS resources and provision them in an orderly and predictable fashion.
* Worked on container based technologies like Docker, OPENSHIFT and Kubernetes.
* Configured, monitor and automate Google Cloud Services as well as involved in deploying the content cloud platform using Google compute engine, Google storage buckets.
* Wrote AWS Lambda functions in python for AWS's Lambda which invokes python scripts to perform various transformations and analytics on large data sets in EMR clusters.
* Maintained the user accounts (IAM), RDS, Route 53, VPC, RDB, Dynamo DB, SES, SQS and SNS services in AWS cloud.
* Created Log collection in ELKB (Elastic Search, Logstash, Kibana, Filebeat) installed Filebeat on all nodes in cluster to send log data to Logstash. Applied filters on log data before sending to Elastic Search.
* Experience performing SAN provisioning to Linux and ESX servers from EMC SAN arrays VNX and Clarions.
* Installing the Apigee Edge and monitoring the gateways Developed REST API’s with authentication using Django as a platform Extensive windows and Linux configuration and automation.
* Experienced in using AWS Elastic Beanstalk as Platform as a service (PaaS) to manage the AWS cloud environment.
* Collaborated in the automation of AWS infrastructure via Terraform and Jenkins - software and services configuration via chef cookbooks.
* Configuring and maintaining Redhat OpenShift PaaS environment.
* Performing data analytics using Redshift under the guidance of various Business Intelligence tools such as Qlik view, Looker, Data Meer etc. We had monitored the data pipelines using Apache Kafka and Matillion ETL.
* Setting up Jenkins, CircleCI Continuous Integration (CI) and Deployment builds for all releases on windows and Linux Debian.
* Responsible for building scalable distributed data solutions using Hadoop Eco System.
* Implemented a centralized logging system using log stash configured as an ELK stack (Elastic search, Log stash, and Kibana) to monitor system logs, AWS Cloud Watch, VPC Flow logs, Cloud Trail Events, changes in S3 etc.
* Maintained DNS records using Route53 to Improve Fault Tolerant Connections and using Load balancer, Security groups and NACLS.
* Managed clusters using Kubernetes and worked on creating many pods, replication controllers, services, deployments, labels, health checks.
* Managing the Openshift cluster that includes scaling up and down the AWS app nodes.
* Creating and managing file systems, Creating and managing Logical volumes in Linux and VERITAS Volume manager in Solaris & Linux & IBM AIX.

**Environment:** EC2, Elastic Load Balancing, Elastic Bean Stalk, ECS, Elastic Search, Openshift, CloudFront, CloudFormation, Elastic Cache, Apigee, CloudWatch, Azure, Route 53, Redshift, Lambda and Dynamo DB, LAMP, Nagios, Terraform, Kubernetes, Docker, Linux, Tomcat, WebSphere, Nexus, Ansible, Jenkins, Maven, Bash scripts, SVN, and GIT