

**Yaseen S**  
(DevOps Engineer)



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**Professional Summary:**

- Having 5+ years of strong experience in the area of AWS, Linux, DevOps, CI/CD Pipeline, Build and Release Management
- Hands on experience in setting up AWS VPC,EC2,SecurityGroups,IAM,NAT Gateways, Load Balancers, Autoscaling, CloudFront, Route 53,RDS,S3,ECR,ECS,EKS
- In-depth knowledge of DevOps management methodologies, production deployment configurations and created CI/CD deployment pipelines for Applications.
- Hands on Experience in provisioning Infrastructure in AWS using Terraform and CloudFormation
- Expertise in Container Orchestration to Deploy, Scale, maintain applications using Kubernetes.
- Used Helm Charts to Deploy, Scale and Upgrade Kubernetes Applications in AWS EKS
- Experience in setting up Jenkins server, installing plugins, creating users, implementing role-based authorization strategies and configuring Jenkins controller and agent nodes.
- Proficient in using Git, GitHub, Gitlab, Maven, Apache Tomcat, Nexus OSS and JFrog Artifactory Repositories and Packer
- Authored Ansible Playbooks to Install, Configure and Maintain services in Infrastructure.
- Good hands-on Experience on SAST and DAST tools like Fortify, SonarQube, Blackduck, OWASP ZAP, 42Crunch
- Good Understanding of Scripting languages like Python and Bash/Shell Scripting
- Good Understanding of Networking concepts like TCP/IP, DNS, DHCP, Subnetting, NTP
- Has an Ability to learn and adapt to new technologies quickly.

**Technical Summary:**

<b>Programming Languages</b>	Python, Bash/Shell Scripting
<b>Operating Systems</b>	RHEL,CENT OS, Arch Linux, Ubuntu and Windows 10
<b>Cloud Technologies</b>	AWS-VPC,EC2,IAM,Security Groups, Autoscaling, Load Balancing,ECR,ECS,EKS,RDS,S3,Route 53,CloudFront
<b>CI/CD Tools</b>	Git, GitHub, Terraform, Docker, Kubernetes, Helm, Ansible, Jenkins, Maven, Apache Tomcat, Nexus OSS and JFrog Repository, Packer
<b>Other Tools</b>	KVM/QEMU,SonarQube,Fortify,Blackduck,ZAP,42Crunch

**Professional Experience:**

**Parent Company : Brillio Technologies Private Limited :**

**Client Company : Verizon Data Services India**

**Role : AWS and DevOps Engineer**

**Duration : March 2022 to Present**

**Projects : CHHV -- One Message , H58V -- Smart Referral , NSGV -- VzStac and BN8V -- CCRS**

**Responsibilities :**

- To Design Build pipeline using Jenkins DSL for Java and Angular/React Applications
- To Design Deployment pipeline using CloudFormation plugins for the stack to deploy on AWS Infra
- To implement and design Security Groups , ALB's , NLB's , ASG's Target Groups for the Deployment Stack
- To prepare Ansible Playbooks for the ILM , Jenkins Node Setup and Artifacts Deployment
- To prepare Jenkins Pipelines for SAST and DAST tools and provide the scheduled automation
- To create 42Crunch automation jobs for API Scanning
- To create APIGEE deployment jobs
- To prepare ILM pipeline using CloudFormation and Ansible for AMI rehydration
- To prepare Jenkins jobs for Jenkins Agent setup, Security Groups, ALB,TG,NLB,ASG setups
- To implement new features on the Jenkins shared pipeline to be used across multiple environments for Build and Deployments
- To prepare an AMI every month as part of rehydration , test and promote the same to Production
- To prepare scripts to promote artifacts between Non Prod and Prod Artifactory
- To provide an automated Ansible playbooks for artifacts deployments and maintenance on existing infrastructure
- To prepare application stack's Architecture diagram's and AWS security review documentations and get Security clearances through PCM tickets
- To implement Security Gating to generate a code signature for every piece of code that will be promoted to production through build jobs and fortify scans
- To prepare and implement New Relic monitoring for the deployed microservices
- To implement CloudWatch logs for the applications
- To prepare and setup Kafka development environment for testing
- To migrate Ansible and Shell Scripts from CENTOS to RHEL OS migration
- To migrate Jenkins plugins from older Ansible and CloudFormation plugins to Newer Plugins
- To migrate User data scripts to Ansible scripts
- To maintain the application stack in Non Prod and Assist for Prod Deployment as part of ER and MR releases

**Kanagala Technologies Private Limited, Tenali as AWS and DevOps Engineer from August 2017 to March 2021**

**Role : AWS and DevOps Engineer**

**Duration : August 2017 to March 2021**

**Responsibilities :**

- To Design, Deploy, Manage, Monitor Scalable Cloud Infrastructure using Amazon Web Services(AWS) for Client Applications
- To Architect Cloud and DevOps Solutions while adhering to best practices, Security and Cost Cutting in mind and to Scale services as needed
- To Provision AWS Services like EC2,VPC,AutoScaling,Load Balancing, ECR, EKS using Terraform
- To Create Golden Amazon Machine Images using Packer for Development and Production use cases
- To Create and Maintain Multi-Stage Docker files to build Docker Images for applications
- To Orchestrate Containers using Kubernetes, to Deploy, Maintain, Scale applications and to handle Rollbacks in case of failed deployments
- To prepare and version Helm Charts for the applications to deploy and upgrade on K8s
- To author Ansible Playbooks and Create Roles for Configuration Management, System Patching, Log rotation, Cron Jobs
- To Create and Maintain GIT repositories, to implement branching strategies, providing permissions and assist in branch merges
- To Implement and manage End-to-End Jenkins Pipelines to build and deploy Java and Python based applications on k8s
- To integrate tools like Maven, SonarQube, Docker, Nexus OSS into Jenkins server using plugins
- To create and configure agent nodes using EC2 and Docker instances for Jenkins Controller
- To provision and load balance Jenkins Controller for High Availability
- To setup Nexus Repository OSS to save Artifacts and also to setup maven private registry
- To configure and setup Apache Tomcat and to deploy Web applications using Jenkins Pipeline
- To regularly maintain, upgrade, security patch Terraform Templates, Jenkins Declarative Pipelines, Ansible Playbooks, Golden AMIs, Docker files, Kubernetes Manifest Files and Helm Charts
- To assist and collaborate with Developers for designing and building Business Logic

**Certifications :**

- **AWS Certified Developer - Associate**
- **AWS Certified Solutions Architect – Associate**

**(Yaseen S)**