

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
- Authored Ansible Playbooks to Install, Configure and Maintain services in Infrastructure
- Proficient in using Git, GitHub, Gitlab, Maven, Apache Tomcat, Nexus OSS and JFrog Artifactory Repositories and Packer
- 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:

Programming Languages	Python, Bash/Shell Scripting
Operating Systems	RHEL,CENT OS, Arch Linux, Ubuntu and Windows 10
Cloud Technologies	AWS-VPC,EC2,IAM,Security Groups, Autoscaling, Load Balancing,ECR,ECS,EKS,RDS,S3,Route 53,CloudFront
CI/CD Tools	Git, GitHub, Terraform, Docker, Kubernetes, Helm, Ansible, Jenkins, Maven, Apache Tomcat, Nexus OSS and JFrog Repository, Packer
Other Tools	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 : March 2018 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**

(Yaseen S)