Professional Summary

Bandipally Praveen

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* Self-motivated, peak performing individual with 3+ years of IT experience which includes AWS & DevOps Tools.
* Proficient in architecting and automation the AWS infrastructure with Terraform & Cloud Formation.
* Working experience in building highly scalable infrastructure, build and deployment automation with Jenkins (CI/CD).
* Experience in DevOps Tools like Ansible, Jenkins, Docker & Kubernetes (EKS)
* Proficient in AWS services like VPC, EC2, EFS, S3, ELB, Auto Scaling Groups (ASG), EBS, RDS, IAM, Route 53, Cloud Watch, Cloud Front, Cloud Trail & EKS.
* Experience in Writing AWS IAM policies.
* Having experience in creating custom Docker images using Dockerfile.
* Experience in Writing Ansible Play books.
* Setup docker registry to store customized docker images.
* Hands on experience on Docker Networking,
* Performed container orchestration using Kubernetes
* Good understanding of the principles and best practices of Deployment/Release practices.
* Worked on Jenkins to Implement CI/CD model by creating build jobs, integrating test cases, setting up distributed builds and deployments

# Work Experience

* Working as a AWS DevOps Engineer in Mphasis, Mumbai from May 2019 to Till Date

# Education

* **B.Sc (computers) From (Satavahana University)**

# Skills

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| **Cloud Services:** | Amazon Web Services, AWS-CLI |
| **Continuous Integration:** | Jenkins |
| **Source Control:** | Git, GitHub |
| **Configuration Management:** | Ansible |
| **Container Technology:** | Docker, Kubernetes |

**Projects**

**Project #2:**

**Name : Bombardier Transportation Role : AWS & DevOps Engineer Date : Nov 2020 to till date**

**About Client**: Bombardier Transportation was a Canadian-German rolling stock and rail transport manufacturer, headquartered in Berlin, Germany. It was one of the world's largest companies in the rail vehicle and equipment manufacturing and servicing industry.

**Role & Resp:**

* Responsible for architecting, designing, implementing and supporting of cloud based infrastructure and its solutions.
* Managing Amazon Web Services (AWS) infrastructure with automation Using Terraform.
* Proficient in AWS services like VPC, EC2,ECS, S3, ELB, Auto Scaling Groups(ASG), EBS, RDS, IAM, Route 53, Cloud Watch, Cloud Front, Cloud Trail.
* Experienced in creating multiple VPC's and public, private subnets as per requirement and distributed them as groups into various availability zones of the VPC.
* Created NAT gateways and instances to allow communication from the private instances to the internet .
* Used security groups, network ACL's, internet gateways and route tables to ensure a Secure zone for organization in AWS public cloud.
* Created and configured elastic load balancers and auto scaling groups to distribute the traffic and to have a cost efficient, fault tolerant and highly available environment.
* Created S3 buckets in the AWS environment to store files, sometimes which are required to serve static content for a web application. v Configured S3 buckets with various life cycle policies to archive the infrequently accessed data to storage classes based on requirement.
* Possess good knowledge in creating and launching EC2 instances using AMI's of Linux, Ubuntu, RHEL, and Windows and wrote shell scripts to bootstrap instance.
* Used IAM for creating roles, users, groups and also implemented MFA to provide additional security to AWS account and its resources.
* Written terraform templates to create custom VPC, subnets, NAT to ensure successful deployment of web applications.
* Implemented domain name service (DNS) through route 53 to have highly available and scalable applications.
* Maintained the monitoring and alerting of production and corporate servers using Cloud Watch service.
* Created EBS volumes for storing application files for use with EC2 instances whenever they are mounted to them.
* Experienced in creating RDS instances to serve data through servers for responding to requests.
* Created snapshots to take backups of the volumes and also images to store launch configurations of the EC2 instances.
* Written Templates for AWS infrastructure as a code using Terraform to build staging and production environments.
* Applying Auto Scaling between ELB and EC2 instances for high availability of applications.
* Hands on experience in installing and administrating CI/CD tools like Jenkins. v Extensively worked with automation tools like Jenkins to implement the End-to-End Automation.
* Created Jenkins workflow to automate the environment readiness process across different environments.
* Configured Jenkins as continuous integration tool for regular source code builds.
* Designed and implemented a continuous build-test-deployment (CI/CD) system with multiple component pipelines using Jenkins to support weekly releases and out-of-cycle releases based on business needs.
* Worked on creation of custom Docker container images, tagging and pushing the images.
* Experience with container-based deployments using Docker, working with Docker images, Docker Hub and Docker-registries.
* In-depth understanding of the principles and best practices of Software Configuration Management (SCM) processes, which include compiling, packaging, deploying and Application configurations.
* Created and maintained various DevOps related tools for the team such as provisioning scripts, deployment tools, and development and staging environments on AWS and Cloud.
* Perform daily system monitoring, verifying the integrity and availability of all hardware, server resources, systems and key processes, reviewing system and application logs, and verifying completion of scheduled jobs.

**Project #1:**

**Client : SFO Technologies**

**Role : Infra Application Support Date : May 2019 to Oct 2020**

**About Client:** SFO Technologies, the flagship company of NeST Group, incorporated in 1990, provides total ODM Plus solutions to diverse industries such as Aerospace & Defence, Communications, Energy & Industrial, Healthcare and Transportation.

## Role & Resp:

* Responsible for architecting, designing, implementing and supporting of cloud based infrastructure and its solutions.
* Experienced in creating multiple VPC's and public, private subnets as per requirement and distributed them as groups into various availability zones of the VPC
* Created NAT gateways and instances to allow communication from the private instances to the internet
* Created S3 buckets in the AWS environment to store files, sometimes which are required to serve static content for a web application.
* Configured S3 buckets with various life cycle policies to archive the infrequently accessed data to storage classes based on requirement
* Uploaded CSV file into Oracle DB
* Written Oracle DB Scripts to Purge old data .
* File system and NFS Administration on Linux and UNIX server platforms
* User administration and Sudo Administration.
* Package Management with YUM and RPM (Installation, Updating and Rollback).
* Implementing ACL’s on OS file systems.
* Writing bash scripts for implementing ACLs on samba shared files
* Scheduling cronjobs for deleting application logs older than 15 days
* Restarts and deployments in production and non-production environment.
* Granting necessary file permissions to read/write files on the application
* Enabling Ports and Services through Firewalls
* Experienced in Performance tuning of Linux servers using ps, free, df, top, vmstat, Netstat.