**Venkata Krishna S**

**AWS/DevOps Engineer**

**Mobile : +91- 9032418167**

**Email : venkatakrishna6013@gmail.com**

* I have total **4+ years** of experience in IT. Related to **DevOps, Aws** and **Kubernetes** I have 4+ yearsof experiencewith strong innovative and technical background.
* Experience with Infrastructure Development & Operations involving **AWS** Cloud platforms **EC2, EBS, S3, VPC, ELB,** Auto **scaling**, **Cloud Watch, IAM.**
* Hands on experience in automating **CI & CD** pipeline by using **Jenkins** tool.
* Experienced with **Jenkins/Maven** deployment and build management system.
* Developed methods to automate routine infrastructure tasks such as deployment and maintenance duties using orchestration tools and scripting languages such as **Ansible**.
* Developed build and deployment scripts using **MAVEN** as build tools in **Jenkins** to move from one environment to other environments for Continuous Integration
* Hands-on experience with configuration & automation tools such as **ANSIBLE.**
* Managed local deployments in **Kubernetes**, creating local cluster and deploying application on containers.
* Worked with different Bug tracking tools like **JIRA and ServiceNow.**
* Configuration Management and source code repository management using tools like **GIT**, **GITHUB.**
* Used **GIT** to manage code and **GitHub** for issues and pull requests.
* Deployed and configured **GIT** repositories with branching, forks, tagging.
* Coordinate all Build and Release activities, ensure release process is well documented, Source code repositories including branching and tagging.
* Installed monitoring tools like **Prometheus** on Kubernetes cluster.
* Implemented metrics analytics open-source tool **Grafana**.
* Having good Knowledge on **Terraform** to automate the infrastructure
* Having Basic knowledge on **Python**

**TECHNICAL SKILLS**

|  |  |
| --- | --- |
| **Cloud Environment** | AWS (EC2, S3, Elastic load balancer, Cloud watch, Route 53, AMI’s, IAM, Auto Scaling, EBS) |
| **Operating Systems** | Linux and Windows |
| **CI/CD Tools** | Jenkins |
| **Programming languages** | Shell scripting, Yaml Scripting |
| **Build Tools** | Maven, ANT |
| **VCS Tools** | GIT, GitHub |
| **Web servers** | Apache Server |
| **Configuration Management tools** | Ansible |
| **Documentation Apps** | MS Office 2010/ 2007/2003 |
| **Containerization tools** | Docker, Kubernetes |
| **Monitoring Tool** | Prometheus and Grafana |
| **SDLC** | Agile, Scrum, Waterfall |

**EDUCATION**

* B.Tech in Electrical Engineering from JNT UNIVERSITY, ANANTHAPUR -2016

**Work Experience**

* Working as DevOps Engineer in **CAPGEMINI** from **November-2018 to Present**

Environment: **AWS (EC2, VPC, Auto scaling, ELB, Cloud Watch, EBS, Route53, S3 buckets), Jenkins, GIT**.

**Capgemini, Bengaluru**

**Project# 1 Nov 2018 –September 2019**

**Project Title: EFLIGHT**

**Role: Devops Engineer**

**Roles and Responsibilities:**

* Creating branches, comparing & merging using Git.
* Maintain track of different releases that are being carried over in different environments.
* Automate the build Process Using Jenkins jobs.
* Date wise Daily keeping track all the Scripts.
* Making Application, Reports and Script ready for the Release on time.
* Troubleshooting application related issues by log verification.
* Verify Deployments logs to check for successful deployments.
* Documentation of patch process and build/release Process.
* Addressed software configuration management issues in coordination with development team.
* Implemented code builds and automated deployment procedures.
* Experience in bug tracking and analyzing test results and prepared Release Notes.
* Installed Jenkins/Plugins for GIT Repository, setup SCM Polling for Immediate Build with Maven and Jenkins.
* Written Yaml scripts for service and deployment purpose on Kubernetes
* Responsible for the Plug-in Management, User Management, Build/Deploy Pipeline Setup and End-End Job Setup of all the projects.
* Managed Maven project dependencies by creating parent-child relationships between projects.
* Installed/Configured/Managed Jenkins CI Automation.
* Efficient in Maven for the build process and Jenkins as continuous integration build tool and worked on build failures on trouble shooting.
* Developed build and deployment scripts using Maven as build tools in Jenkins to move into different environments and also create new jobs and branches through Jenkins.
* Performing deployments to multiple environments like Dev, QA, UAT& Production Environments.
* Involved in build/Release management and carried out the quality product in UAT and Production.
* Installed and configured SonarQube and integrated sonar with maven and Jenkins for continuous integration. Creating Jenkins jobs with SonarQube.
* Create and Configure AWS VPC with public and private subnets, configured Routing tables, Internet gateway, ACL's, Security groups.
* Monitor AWS Services using Cloud Watch and created Custom metrics. Monitor all API Calls Using Cloud Trail.
* Create/Managing buckets on S3 (CLI) and store db. and logs backup. Perform S3 buckets actions and Object’s creation and deletions.
* Configure and update the servers using configuration management tools Ansible and Service delivery management using Amazon AWS (EC2, ELB, and Cloud Watch).
* Configure the servers with the Cloud Watch monitoring and monitor the performance metrics of the production servers.
* Set up load balancer and firewall rules in and enterprise environment and Manage Amazon instances by taking AMIs and perform administration.
* Manage Amazon Web Services systems in Development, QA, and Production environments.
* Manage tickets using Jira Tool.

**Environment: AWS,Git,Maven, Jenkins, Red Hat Linux, Tomcat, MySQL, Sonar, Ansible, Nagios, Jira.**

**Capgemini, Bengaluru Oct 2019 to Present**

**Project #2**

**Project Title: Morgan Stanley**

**Role: Devops Engineer**

**Description**:

Morgan Stanley is an American multinational investment bank and financial services company headquartered at 1585 Broadway in the Morgan Stanley Building, Midtown Manhattan, New York City. With offices in more than 42 countries and more than 60,000 employees, the firm's clients include corporations, governments, institutions, and individuals.[2] Morgan Stanley ranked No. 67 in the 2018 Fortune 500 list of the largest United States corporations by total revenue.

Responsibilities:

* Design roles and groups using AWS Identity and Access Management **(IAM).**
* Used security groups, IAM roles, scaling groups, load balancers, Monitored **EC2** instances with Cloud watch.
* Used Cloud watch for monitoring AWS cloud resources and the applications that are deployed on **AWS** by creating new alarm, enable notification service.
* Used Amazon S3 to backup database instances periodically to save snapshots of data.
* Used ELB and auto scaling for load balancing and scaling EC2 instances up/down based on network traffic.
* Experience with analysis of logs and performing root cause analysis for various issues coming up on daily basis.
* Monitoring Live Traffic, logs, Memory utilization, Disk utilization and various other factors, which are important for deployment.
* Automated system deployment, monitoring, alarming, and scaling in the Cloud.
* Created, deleted and managed user accounts used to interact with Amazon IAM.
* Used DNS management in **Route53, Amazon S3** to backup database instances to save snapshots of data.
* Created periodic EBS snapshots and rebuilt new EBS volumes from these snapshots to migrate applications.
* Maintained existing and also helped creating new Users and tenants using Amazon IAM's.
* Manage Network allocation in VPC to create new public networks.
* Application deployments and environment configuration using **Ansible.**

**Declaration:**

* I the undersigned hereby undertake and declare that information submitted above is true and correct to best of my knowledge.

**Venkata Krishna S**