

Tejeswar Reddy Atla

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SUMMARY

- **DevOps Engineer** having around **3 years** of experience in designing, implementing and managing complex infrastructures. Specialities- Proven expertise in **continuous integration, continuous delivery and deployment pipelines**, coupled with a deep understanding of **cloud platforms and containerization technologies**, Proficient in **infrastructure automation and configuration management**.

SKILLS

- Version Control: Git, GitHub, Gitlab
- CI/CD: Jenkins
- Containerization: Docker, Kubernetes
- SonarQube
- Cloud Platforms: AWS (ECS, ECR, EC2, ELB, Autoscaling, VPC, S3, Cloudtrail, IAM, RDS, Route53, CloudWatch, SNS, Lambda, Billing)
- Scripting: Bash, Python, Shell, Groovy
- Database: MySQL, PostgreSQL
- Tomcat
- Systems Administration: Linux flavors
- Artifact Management: Maven, Nexus
- Prometheus & Grafana
- Terraform
- Ansible

PROFESSIONAL EXPERIENCE

DevOps Engineer, 3i-Infotech Ltd (NuRe FutureTech)

(Apr 2022 - Present)

Design Engineer, Cyient Ltd

(Aug 2016 - Aug 2019)

- Was responsible for **AWS RDS** creation, maintenance, migration of various databases.
- Worked on Configuring **CI/CD** pipelines with **Jenkins** with **groovy scripting**, configured webhooks, integrated with various **DevOps** tools like **GitHub, SonarQube, Docker and Kubernetes**.
- Familiar with Jenkins shared library for simplification of **deployment**.
- Worked with managing **Kubernetes** clusters and have experience in working with different Kubernetes Resources.
- Was responsible for creation, availability and maintenance of Infrastructure in **AWS (EC2, S3, ELB, EBS, EFS, IAM, AutoScaling, Security Groups, VPC)**.
- Orchestrated containerized applications with **Docker** and **Kubernetes** thereby optimizing resource utilization and enhancing scalability for both **development** and **production** environments.
- Building an artifactory using **Maven** and taking the backup of the artifactory in **Nexus**.
- Automated infrastructure provisioning and configuration management using **Terraform** and **Ansible**.
- Implemented CI/CD pipelines using Jenkins, resulting in a **30%** reduction in deployment times and reduction in deployment times and a **40%** decrease in post-release issues.
- Configured various **shell** scripting tasks for automation.
- **20%** Cost reduction of the Infrastructure by efficient planning.
- **Automated** Start/Stop of the servers and other resources using **python** in AWS Lambda.

EDUCATION BACKGROUND

Bachelor of Technology

Annamacharya Institute of Technology And Sciences - JNTUA (78.32%)

(June 2012- 2016)

DevOps

- Create the CI/CD declarative pipeline using Groovy to integrate and automate the build & deployment tools for application deployments.
- Understood well DevOps culture and CI/CD workflow using Jenkins with Git and GitHub Version controls.
- Integrating Jenkins with GitHub, sonarqube, docker, nexus and AWS.
- Analyzed Jenkins Shared Libraries and integrated Shared Libraries in Jenkins Pipeline for Application Deployments.
- Automated Instance configuration tasks using Ansible Playbooks.
- Git branching strategy and branch protection rules implementation.
- Wrote manifest file definitions for configmaps, secrets and mounting these resources as volume mount and environment variables for application deployments.
- Worked with Docker containerization and deployed applications over Docker containers.
- Troubleshoot any operational issues related to the infrastructure.
- Graylog log management tool setup and analyzed container application logs, identified the issues and coordinated with the concern team to fix issues.
- Running environment-based jobs by configuring Jenkins Master-Slave Technique
- Github user management to organization account.
- Deployed 3-tier architecture infrastructure on AWS cloud using Terraform – IaC.
- Install and configured SonarQube application and configure Quality-gate.
- Troubleshot build issues and coordinated with Dev teams to fix issues.
- Shell scripting to take database backups, github backups and docker images backups.
- Configure Elastic load balancer to distribute the traffic among the servers.
- Gray-log log tool setup and maintenance user management.
- Migration of the repositories from GitHub to Gitlab using automated shell scripting.
- Experienced in Systems Administration / multi-platform environments, installed and configured software and hardware, installed, configured & maintained servers
- Managing Kubernetes clusters and having experience in working with different Kubernetes Resources.
- Root cause analysis for application/server down time, analysing errors and resolving with the suitable approach.
- Setup, Integration and continuous monitoring of server and docker metrics using Prometheus and Grafana

CLOUD (AWS)

- Created high-available and reliability infra setup on cloud.
- Monthly cloud resources utilization monitoring and cost optimization.
- Implemented and Setup AWS VPC for Client to deploy applications on AWS Cloud for different environment like Dev, QA and Production systems/Servers.
- Deployed RDS instances and provided endpoint details to database teams and managed database snapshot methods.
- S3, ECR, versioning and life-cycle policy setup and implementation.
- Cloud based alert and alarm setup configurations.
- Deployed AWS EC2 instances behind Elastic Load Balancer and Auto Scaling making sure of high availability by deploying instances in Multi AZ.
- Used VPC architecture, Subnetting and deployed AWS services within VPC - Managed security using security groups, NAT instances, NAT and IGW gateways.
- Configured IAM users, roles, custom policies and attached roles to AWS services like EC2, S3.
- EC2, AMI, Security group, EBS, Snapshot, Elastic IP.
- Provisioned EBS volumes and attached to EC2 instances - Created File Systems on EBS, attached volumes as per business need.
- Configuring Hosted zones, domains and mapping to the load balancer end point.
- Maintaining production server's High availability and stability.
- Production Cluster High availability and stability, Database and Cluster monitoring.
- RDS instance PostgreSQL, MySQL, Mssql, aurora databases.
- Experienced with Cloud Computing delivery model IaaS - AWS (EC2, EBS, S3, IAM, Cloud Watch, Cloud Trail, Elastic Load Balancer, Auto Scaling, Route 53, Cloud Front, VPC, RDS)
- Infra management like VM's, databases and storage like S3.
- Cloud watch and event bridge for troubleshooting and alarm creating and monitoring.
- Implemented and Setup EC2 instances, S3 Configuration, Load Balancer and Auto scaling for Production Web Servers.
- Created, Copied, moved images from one EC2 region to another EC2 region - created snapshot in RDS servers and Created AMI images for EC2 Instances.