DevOps Engineer

G PRASAD
Mobile: +91 9502147390
Email: prasadg3195@gmail.com

Objective:
To secure a challenging position where I can effectively contribute my skills & expand my knowledge for the dynamic growth of organization. Looking for a responsible position as a DevOps Engineer in an established IT firm.

Summary:
IT Professional with 4 + years of Experience in Infrastructure Administration Skilled at Operating in a wide range of Platforms like DevOps, AWS, and Linux. Having excellent exposure in DevOps/AWS Software Configuration Management which includes Continuous Integration, Continuous Deployment, and Continuous monitoring using Automation Tools.

Professional Summary:
- 2+ years of experience as an AWS and DevOps Engineer
- 2+ years into Linux administration
- Expertise in DevOps, Configuration Management, Cloud Infrastructure, Automation it includes **Amazon Web Service (AWS), Git, Jenkins, Maven, Ansible, Terraform and Docker .**
- Administering Jenkins and secured Jenkins with role-based access controls.
- Good working experience on **Linux** Operating Systems- User Management, troubleshooting L1 and L2 issues, Patching, LVM and monitoring.
- Good working knowledge in **CI & CD** and building a pipeline using **Jenkins.**
- Have hands-on knowledge with **Ansible** and writing Playbooks.
- Experience in configuring and updating the servers using configuration management tools like **Ansible,** and Experience in Containerization tool like **Docker.**
- Proficient with containerization tool like **Docker** and worked in infrastructure provisioning using **Terraform.**
- Good understanding in **ECS** (EC2 Container Service) for cluster management.
- Efficient knowledge of Amazon EC2, S3, RDS, VCP, Elastic Load Balancing, Auto scaling, IAM, security groups, Lambda, Cloud Watch and other AWS services,
- Good knowledge in Auto-scaling and load balancing concepts.
- Configuring and Managing VPC, Subnets make connection between different zones.
- Have knowledge in setup and configuring Monitoring tool.
- Hands on experience in container orchestration like Docker swarm .
- Having knowledge on Kubernetes
- Having knowledge on azure devops, azure data Factory

Work Experience:
- Working as **an Cloud DevOps Engineer** in **Promaestro techsource private limited in** Hyderabad from Apr 2019- Till date.
- Worked as **Linux admin** in **Promaestro techsource private limited in** Hyderabad from May 2017- Mar 2019
- **Technical Skills:**

Version Control Tools	Git
Build Tools	Maven
Continuous Integration	Jenkins
Containerization	Docker, kubernates
Configuration Management	Ansible
Scripting Languages	Shell Scripting
Operating System	Linux, Ubuntu
Cloud Technologies	Amazon Web Services
IAAC	Terraform, AWS CloudFormation

Roles and Responsibilities:

As a passionate advocate of AWS, I also designed, built, and deployed a multitude application utilizing almost all the AWS stack (Including EC2, R53, S3, RDS, SQS, IAM, SNS, VPC, VPN, ELB, Cloud front), focusing on high availability, fault tolerance, and auto scaling.

- Expertise level knowledge of Amazon EC2, Amazon S3, Route 53, Amazon RDS, Amazon Elastic Load Balancing, Route53 and Cloud Watch.
- Build servers using AWS: Importing volumes, launching EC2, RDS, creating security groups, auto-   scaling, load balancers (ELBs) in the defined virtual private connection.
- Creating new EBS volumes and attaching them to EC2 instances when needed.
- Taking instance backups as Amazon Machine Image (AMI) and launching these when we need similar servers.
- Maintaining and upgrading the EC2 instances according to the requirements.
- EBS Volumes, EIPs, Snapshots, AMI's. Creating AMI images from existing instances and copy them to different regions / availability zones.
- Uploading data, Snapshots and EBS volumes in S3 storage, while creating EC2 Instance.
- Assigning roles to EC2 instances to access/store data from other AWS services like S3, cloud watch.
- ELB – Creating Load balancer for   EC2 Instances within VPC, adding instances to make online services highly available.
- Managing load and instance failures through auto scaling and launch configuration.
- Knowledge on referent routing policies. i.e., simple, latency, waited, failover and geo location.
- Creating routing policies to manage load on load balancers.
- Handling multiple requests in IAM like creating users, groups and roles.
- Creating / modifying policies according to user's access requirement. ●   S3 – working with S3 to Create the buckets to store objects ●   Changing permissions on buckets/objects.
- Enabling logging and events on buckets to monitor bucket performance
- Managing cost on S3 buckets by using Standard, S3 infrequent Access and reduced redundancy storage.
- Implementing lifecycle management to send data Glacier/delete
- Implementing CloudFront to access objects from edge locations also to reduce load on EC2 instances.
- VPC – Creating Instances in VPC, assigning subnets and Elastic IPs to get network, Creating NAT Gateways using Elastic IP. Creating Internet Gateway, Route Tables for subnets.
- Launching NAT instances within VPC to provide internet access to database/secure instances.

- Monitoring AWS services EC2, S3, and RDS etc. through cloud watch.
- Creating new alarms in case of additional requirement.
- Enabling automated backups and multi-AZ to improve database performance on RDS.
- Creating and deploying snapshots as part of the restoration process or to migrate databases from one region to another.
- Enabling Read Replicas to redirect user read requests are more.
- Consolidating AWS console with VMware console.
- Troubleshooting in case of server is not reachable or server went out of service in ELB ●
        Creating Open VPN server from marketplace connecting to infrastructure with private IPs
    ● Working for L1 and L2 level support activities.
- Monitoring and updating Tickets (issues) through Incident management system based on ITIL Process.
- Installed Red Hat Linux for production and development environments manually
- Installing and configuration of RHEL 4,5 & 6
- Installation and Managing of Packages using rpm and yum.
- User Account management – Users and Group creation and Customization.
- Managing the LVM Partitions.
- Creating new Physical Volumes and Volume Groups and adding new Logical Volumes to the file system if required

Educational Qualifications:
- I did Graduation in SSR DEGREE COLLEGE From Telangana University.

Personal Information:
Date of Birth   : 06-04-1994
Marital Status   : single
Permanent Address   : Hno 2-82, indalwai village, indalwai mandal, nizambad, Telangana
Languages known   : English, Telugu & Hindi.
Current Location   : Hyderabad.

Declaration:
I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

(**G PRASAD**)
Place: Hyderabad