

Summary

To enhance my professional skills in a dynamic and stable workplace and creatively involved with the system and to build a long term career with opportunities in career growth that effectively contributes to the growth of the organization.

Education

Graduated in Bsc from SKR & SKR GOVT Womens degree college, Kadapa (S.V.University Tirupathi)

Skill Set

Languages & Technologies	:	AWS, Docker, Databricks, Kubernetes, GitHub.
Operating System	:	Linux, Windows.
Automated Build Tools	:	Jenkins
Orchestration Tools	:	Airflow
Databases	:	MySQL, Redshift.
Web Servers	:	Apache
Monitoring Tools	:	Cloud watch

Professional Experience

Working as a Senior Cloud Engineer for Congnizant Technology Solutions,Banglore from May-2018 to till date.

Work Experience

Cloud Engineer:

(From June 2018 To April 2020)

Roles and Responsibilities as AWS and DevOps Engineer:

- Infra-structure development on AWS using various services like EC2, IAM, VPC, S3, ECS, EKS, ECR, Redshift, SFTP, Lambda, Cloud Watch, Code Commit, Route53, ACM, ELB, RDS, SNS, SES, AD, Cloud formation etc.
- Build and release EC2 instances Amazon Linux, Redhat and Windows for POC, Development, Testing and Production.
- Designed and created a private VPC for multiple clients.
- Expertise in installing, Maintaining and troubleshooting **Airflow** services.
- Configured AWS cross accounts to access S3 data set from multiple accounts using IAM roles.
- Migrated the current Linux environment to AWS/RHEL Linux environment and used auto scaling feature
- Increasing EBS backed volume storage capacity when the root volume is full using AWS EBS volume feature.
- Created users and groups using IAM and assigned individual policies to each group.
- Creating S3 buckets and restricting access to buckets and directories to specific IAM users.

- Manage systems routine backup, enabling cron jobs, enabling system logging and network logging of server maintenance.
- Worked on **Databricks** admin were creating clusters with required configurations, controlling users access, adding IAM roles, Monitoring usage of memory, cpu using Ganglia, creating libraries, managing notebooks...etc.
- Hands on experience with creating DNS using route53 and configuring SSL certificates in Linux servers.
- Create and maintain fully automated CI/CD pipelines for code deployment using **Jenkins**.
- Scheduling downtimes of the server for patching, memory upgrade and various admin activities in coordination with appropriate teams.

Senior Cloud Engineer:

(From May 2020 To Present)

Roles and Responsibilities as Cloud Engineer:

- Developed the **cross-account** data set (S3) access with three AWS accounts.
- Containerized the project application (Created **docker** containers and deployed the application)
- Implemented Airflow service in docker compose using ECS.
- Created AWS SFTP server to drop transfer the files to S3 respective buckets.
- Configured **CloudFormation** template to create EC2, IAM roles, **EKS** cluster...etc.
- Developed **YAML** scripts for deploying application in Kubernetes.
- Created AWS load balancers with SSL certificates for secure (https)
- Research and implemented how to access **Kubernetes** dashboard via **putty** by port forwarding to local.
- AWS instance configuration with apache server and hosting web pages (HTTPS).
- Maintained Git workflows for version control (Source Code Management).
- Created Redshift clusters with required configuration such as Cluster type, Storage etc.
- Managed GitHub repositories and permissions, including branching and tagging
- Developed and maintained automated CI/CD pipelines for code deployment using Jenkins.
- Created AMI images of critical EC2 instances as backup using AWS CLI and GUI.
- Configured Cloud Watch Alarms to monitor EC2 (CPU, Memory, Disk), RDS etc.
- Written a various shell scripts to automate build and release process.
- Reduced costs by eliminating unnecessary servers and consolidating databases.