Deepika

Email id:**deepikagy01@gmail.com**

AWS DevOps Engineer

Phone no: **+91- 9553601401**

Profile

Over 3.2 years of Experience as a Linux Administrator, AWS DevOps Engineer. In- depth knowledge on cloud computing strategies (Iaas & Pass) and DevOps tools Git, Git- hub, Jenkins, Docker, Ansible Experience in Bash scripting and automating backups.

Responsible for managing all aspects of the software configuration management process including code compilation, packaging, deployment, release methodology and application configuration. Closely connected with developers to deploy different applications in different environments on parallel development for multiple projects.

Work History

➢ Provided SCM and Build support for 7 different applications, built and deployed in production and lower environments.

➢ Defined and implemented SCM and Release management Process, Policies and procedures.

➢ Closely connect with developers to establish appropriate version control and branching, labeling/naming convention using SCM tools like **GIT & Git-hub**.

➢ Having good experience in upgrades, installs, configuration and administration security and monitoring tools on linux.

➢ Expert in installing packages on **Linux/Unix** Environments.

➢ Maintained Build related scripts developed in **Bash/shell**.

➢ Performing software installation using yum and RPM.

➢ Setting up cron schedules for backups and monitoring process.

➢ Monitored Linux servers for CPU Utilization, Memory Utilization and disk Utilization for performance monitoring.

➢ Administration of **Ubuntu, RedHat Linux** including Installation, configuration and testing.

➢ Worked on automation and continuous integration process with **Git, Jenkins, maven and Ansible.**

➢ Experience installing and configuring different application servers like Jboss, Tomcat and Apache server.

➢ Good knowledge and Hands on experience on **Docker** containerization tool.

- ➢ Having experience on Integrating Docker with Jenkins and writing **Groovy scripts** for Docker projects.
- ➢ Good knowledge on **Dockerfile** and **Docker Compose**.
- ➢ Used Ansible to automate Configuration management & Application.
- ➢ Familiar with CI tools like **Jenkins**.
- ➢ Experience working with **AWS Cloud** computing and launching instances and performing administration tasks.
- ➢ Managed multiple AWS accounts with multiple VPCs for both production and non- prod environments where primary objectives included automation, build out, integration and cost control.
- ➢ Design EC2 instance architecture to meet high availability application architecture and security parameters.
- ➢ Creating s3 buckets and also managing policies for s3 buckets and utilized s3 bucket and glacier for storage and AWS backup.
- ➢ Creating Cloudwatch alerts for instances using them in Autoscaling launch configuration.
- ➢ Managing AWS Infrastructure with automated and configuration tools like Ansible.
- ➢ Wrote Ansible playbooks for automate deployments.
- ➢ Automated application packaging and deployment process through Ansible.
- ➢ Worked on Mysql and RDS configuration.
- ➢ Created password less authentication between EC2 servers.
- ➢ Provide support for **AWS EC2, EBS,S3,RDS, VPC, Security- Groups, Auto-Scaling, and creating Cloudwatch** metrics for monitoring.
- ➢ Good knowledge on **Docker Swarm**.
- ➢ Worked With web application deployment especially on **Linux/nginx/Apache Tomcat/Apache web server.**
- ➢ Implementing EC2 backup strategies by creating EBS snapshots and attaching EBS volumes to EC2 instances.
- ➢ Automatic backups by shell for Linux to transfer data to s3 bucket.
- ➢ Utilize Cloudwatch to monitor resources EC2, CPU memory, Amazon RDS DB services, EBS volumes to set alarms for notification or to set automate actions and to monitor logs for better understanding and operation of the system.

Educational Qualification

Completed **Btech** in Computer Science and Engineering from **Gates institute of Technology in 2017**

Experience Summary

- ➢ Working as a **AWS DevOps Engineer** in **Wipro Technologies Pvt Ltd** from November -2018 to febuary-2022.

Technical Skills

Operating Systems	*Linux/Unix, Windows, Ubuntu/Debian, Amazon Linux*
Version control system	*Git*
Repository Management system	*Git-hub, GitLab, Bit Bucket*
Continuous Integration server	*Jenkins*
Container Engine	*Docker*
Container Orchestration	*Docker swarm,kubernitie*
Configuration Management	*Ansible*
AWS Cloud Services	*VPC, EC2, IAM, EBS, Auto scaling, RDS, S3, Security Groups, CloudWatch, ECS*
Infrastructure as code	*Ansible, Cloud Formation (Basics)*
Databases	*Mysql, MongoDB, Amazon RDS*
Scripting	*Linux Bash Scripting, Yaml*
Build Tool	*Maven*

Project Experience

Project #2

Client:Google

Role: DevOps - Cloud Engineer

Roles & Responsibilities

- *Monitored automated build and continuous software integration process to drive build/release failure resolution.*
- *Involved in working on the environments of AWS like EC2, VPC, Auto-scaling, S3, and RDS on AWS.*
- *Performed Branching, Merging Activities on GIT.*

- *Configured and maintained Jenkins to implement the CI/CD process.*
- *Developed strategies and supported tools to create an efficient automated integration and release process using Jenkins.*
- *Worked in DevOps Team on areas related to Ansible for Cloud Automation.*
- *Written Playbooks for installing Tomcat, Apache, WebSphere, JDK etc.*
- *Setting up databases in AWS using RDS, storage using S3 bucket*
- *Wrote Ansible playbooks to perform deploys for Tomcat Webserver and WebSphere App Servers.*
- *Integrated of Automated Build with Deployment Pipeline. Currently installed Ansible Server and clients to pick up the Build from Jenkins repository and deploy in target environments (Integration, QA and Production).*
- *Setting up EKS Cluster and Worker nodes on multiple AZs using EKSCTL.*
- *Setting up CI-CD Pipeline for the services using AWS services like AWS CodeCommit and CodeBuild.*
- *Storing the docker build images in ECR.*
- *Developed Playbooks for installation and configuration of various application servers and web containers.*
- *Installed and configured AWS CLI for managing AWS Cloud services*
- *Involved in development of Test environment on Docker Containers and configuring the Docker Containers*
- *Extensive experience in developing and maintaining build, deployment scripts for test, Staging and Production environments using Bash shell script.*

   Environment*: Linux, GIT, Jenkins, Maven, Docker, Shell, Ansible, AWS,*

Project #1

Client: cloud infra
Role: DevOps Engineer

Roles & Responsibilities

- *Installing and configuring GIT, Jenkins, Deployment and automation.*
- *Launch and managing Amazon EC2.*
- *Hands on experience on VPC, Subnets, and Route tables etc.*
- *Setup and launch Ubuntu and Redhat instances, network interface with Elastic IP's.*
- *Configured and managed security groups and VPC.*
- *Identify the root cause, and resolve problems.*
- *Maintaining the source code in GIT for various applications.*
- *Supporting the developers in configuration management environment*

- *Configured and maintained Jenkins to implement the CI process and integrated the tool with Maven to schedule the builds and automated the deployment on the*
- *application servers using Jenkins.*
- *Responsible for the Plug-in Management, User Management, Build/Deploy PipelineSetup and End-End Job Setup of all the projects.*
- *Involved in the release process and deployed applications (WAR and JAR) to the Tomcat.*

Environment*: Linux, GIT, Jenkins, AWS, Tomcat.*

Personal Details
- DOB :22-02-1996
- Nationality: Indian
- Marital Status: Un-married