DEVANANDHA K

# DEVOPS ENGINEER

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Experienced DevOps Engineer with around 2 years of hands-on experience in designing, implementing, and managing CI/CD pipelines, cloud infrastructure, and devops tools.

# WORK EXPERIENCE

**Associate**

**Amazon**

July 2022 – March 2023

**Intern Analyst**

**Deloitte**

Jan 2021 – Jan 2022

Having around 2 years experience as DevOps Engineer and working on different levels devops tools

Continuous Integration Tools such as Jenkins Containerization tool Docker Configuration management tool and Shell scripting

Strong experience in Branching and Merging strategies

Directed the integration of GIT branching protocols that are now by over 8 developers, resulting in a more organized workflow and a 50% decrease in time spent on code integration and conflict resolution

# TECHNICAL SKILLS

DevOps Practices

Containerization (Docker, Kubernetes) Infrastructure as Code (Terraform) Configuration Management (Ansible) GitHub Actions

Version Control (Git, GitHub) Scripting (Shell)

Cloud Platforms (AWS)

Monitoring and Logging (Prometheus, Grafana)

Continuous Integration and Continuous Deployment (Cl/CD) Jenkins Build Tools (Maven)

Project Management (Jira) Linux Administration

# EDUCATION

**MASTER OF COMPUTER APPLICATIONS (MCA)**

**JNTU Ananthapuram**

2017 - 2020

**Bsc**

**SVU Tirupati**

2014 - 2017

# PROJECTS

**Project 2**

**Role - Associate**

**Period - July 2022 – March 2023**

Key Responsibilities -

* Set up Kubernetes clusters various Kubernetes resources including pods replication controllers services deployments labels health checks and ingress
* Provisioned the highly available EC2 Instances S3 VPC AWS Lambda Kubernetes Helm Launched CI/CD pipelines by integrating Git GitHub Maven Jenkins Ansible and AWS for provisioning and deployment.
* Worked on Kubernetes dashboard. Monitoring the pods and cluster in the dashboard and pulling the report accordingly and other operational tasks.
* Git for source code version control integrating with Jenkins for continuous integration and continuous delivery (CI/CD) pipeline management
* Maven for build tools and code quality tracking, ensuring robust and efficient build processes
* Configured and upgraded Jenkins, setting up build triggers and automation for jobs in response to new commits through web hooks.
* Creating S3 buckets and managed policies for S3 buckets and utilized S3 Buckets for storage, backup and archived in AWS.
* Created users and groups using IAM and assigned individual policies to each group.
* VPC Configuration: Configured Virtual Private Cloud (VPC) with subnet networking, managing servers and ensuring secure and efficient network infrastructure.
* Implemented multiple AWS instances ensuring optimal configuration and performance Set up security groups to control inbound and outbound traffic.

**Project 1**

**Role – Intern Analyst**

**Period - Jan 2021 – Jan 2022**

Key Responsibilities -

* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux) and Configuring launched instances with respect to specific applications.
* Setup/Managing Linux Servers on Amazon (EC2, EBS, ELB, Security Groups, RDSand IAM).
* Branching, Tagging, Release Activities on Version Control Tools GitHub.
* Installing and configuring Jenkins on a Linux machine and created a Master and Slave configuration to implement multiple parallel builds through a build form. Configured plugins in Jenkins to interact with the other tools and scripts.
* Manage Build and Release requests using Jenkins and managing plugins.
* Worked extensively on monitoring and setting up new build jobs, plug-ins installations, distributed builds using master/slave and administration activities.
* Experience to manage IAM users by creating new users, giving them a limited access as per needs, assign roles and policies to specific user.
* Git for source code version control integrating with Jenkins for continuous integration and continuous delivery (CI/CD) pipeline management
* Maven for build tools and code quality tracking, ensuring robust and efficient build processes.
* Configured and upgraded Jenkins, setting up build triggers and automation for jobs in response to new commits through web hooks
* VPC Configuration: Configured Virtual Private Cloud (VPC) with subnet networking
* managing servers and ensuring secure and efficient network infrastructure
* Setup/Managing Linux Servers on Amazon (EC2, EBS, ELB, Security Groups, RDS and IAM).
* Implemented multiple AWS instances ensuring optimal configuration and performance Set up security groups to control inbound and outbound traffic.

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