Anish Bista

An aspiring DevOps Engineer who is looking for opportunities in DevOps and Cloud.

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PROJECTS

End to End CICD Implementation— *Jenkins*

Implemented an End to End CI/CD pipeline for

java based application using Jenkins declarative pipelines.
As part of the pipeline, I have implemented various stages such
As Build, Unit testing, static code analysis, SAST, DAST, Creation
Of Docker Images, Deployment on Kubernetes platform using
Argo CD.

Implemented Three Tier Architecture — *AWS*

Implemented a three tier Architecture with 11 microservices and Deployed to the EKS Cluster with Helm chart . Here, I used ingress to access the application.

This sample microservice application has been built using these technologies:

NodeJS (Express), Java(Spring Boot), Python (Flask), Golang, PHP(Apache), MongoDB, Redis, RabbitMQ, MySQL, Nginx, AngularJS

Cloud Cost Optimization —*AWS*

Used the combination of AWS cloud watch and Lambda functions
To decrease the cloud cost by 25 percent.

Implementation:
Created lambda function in python, used the boto3 module to interact
With AWS service APIs and this lambda function is triggered by
Cloud Watch events.
This lambda function would watch for any unused EBS snapshots and
Either delete them or send out notification to the snapshot owner.

Automate Provisioning EC2 and EKS Cluster — *Terraform*

Used terraform to create the Ec2 instance and Kubernetes cluster from scratch

Implementation:

SKILLS

Kubernetes

Docker

AWS

Terraform

Jenkins and Github Action

Ansible

Linux and Computer Networking

Git and Git-hub

Bash and Python

Golang

Gitops

Prometheus and Grafana

Good knowlegde of kubernetes Adminstrator

Troubleshooting

LANGUAGES

English and Hindi

EDUCATION

Bachelor's in Computer Science and Engineering, CMR Institute of Technology (2021 – 2025)

Senior Secondary School ,St-

Created the VPC , Subnet , Internet Gateway, Route Table, Route table Association, Security Group , key pair and Ec2 instance. As part of the EC2 instance provisioning, the entry-point.sh script is executed within the instance which install docker and run the nginx container.

AWS S3 Event Triggering – *Shell Scripting and Python*

Uploaded image to Amazon S3 that triggered the Lamda function from where it triggered the SNS service which sends Email notification. Created the IAM role for Lamda that grant the permission for S3 bucket and SNS service.

For example:

Netflix: Netflix use S3 event triggering to automatically process video files uploaded to Amazon S3, enabling seamless content ingestion and processing.

Expedia: They use S3 event triggering to automatically process and analyze data stored in Amazon S3, such as travel bookings, user profiles, and pricing information, to power their personalized travel recommendations and search features.

Thomas (2019-2021)

EXTRA ACTIVITIES

- Participated in **Good First Issue** Open source program
- Drummer and Pretty good at sports