

HARSHIT KAUSHIK

As an enthusiastic candidate, I am looking for a **DevOps Engineer** and **AWS Cloud Engineer** role. I excel in both collaborative team settings and as an independent contributor, possessing a strong drive for innovation, problem solving, and experience in **automation** and **troubleshooting**.

PROJECTS SUMMARY

Cloud Cost Optimization — AWS

Implemented Lambda function that fetches all EBS snapshots owned by the same account ('self') and also retrieves a list of active EC2 instances (running and stopped). For each snapshot, it checks if the associated volume (if exists) is not associated with any active instance. If it finds a stale snapshot, it deletes it, effectively optimizing storage costs.

Kubernetes End to End Deployment — EKS

Deployed an application by creating a cluster with Fargate and utilizing replicas in deployment to ensure auto-healing and ease of auto-scaling, configured application load balancer then exposed the application to the outside world through an external IP.

AWS Services involved:

AWS EKS, Fargate, ALB Controller, IAM, Helm, Kubernetes

Cloud Infrastructure Automation - Terraform

Designed and implemented an automated infrastructure setup on AWS using Terraform. The project involved creating a scalable and secure cloud environment, including defining providers and variables, configuring VPC, subnets, internet gateway, route table, Application Load Balancer (ALB), target groups, and listeners. Ensured a streamlined and repeatable deployment process for cloud resources.

Tools used:

Terraform, AWS VPC, AWS ELB, Subnets, internet Gateway

AWS Resource Management Automation - Shell Scripting

Developed a shell script to automate the retrieval and display of AWS account resources, including IAM users, EC2 instances, S3 buckets, and other services. Leveraged AWS CLI commands to query and compile detailed resource information in a structured format, enhancing operational efficiency and visibility into cloud resources.

Tools used:

AWS CLI, IAM, EC2, S3, Bash

PERSONAL DETAILS

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SKILLS

Cloud - AWS

Containerization - Docker

Orchestration - Kubernetes, EKS

Infrastructure as Code - Terraform

Configuration Management - Ansible

CI/CD - Jenkins, GitHub Actions

Build Tools- Maven, AWS CodeBuild

Scripting - Bash

Linux - Ubuntu

Version Control System - Git, GitHub

Programming Language - Python

EDUCATION

B.Tech - CSE , 8.4 / 10
IIMT College of Engineering,
Greater Noida(UP)
2019-2023

Class 12th(2019) - 78 %
Vidhya Mandir, Sambhal(UP)

Class 10th(2017) - 83 %
Vidhya Mandir, Sambhal(UP)

ACHIEVEMENTS

Meritorious Student Award
(2022)
IIMT College of Engineering,
Greater Noida

Participated in Smart India
Hackathon(2022)
Organized by AICTE and MIC

LANGUAGES

English & Hindi