

HARSHIT KAUSHIK

ASPIRING DEVOPS & CLOUD ENGINEER

Email: harshitkaushik444555@gmail.com

LinkedIn: www.linkedin.com/in/hk4455

Phone: 6396832259

As an enthusiastic candidate, I am looking for a DevOps Engineer and AWS Cloud Engineer role.

PROFILE SUMMARY

Aspiring DevOps engineer with experience in building and managing CI/CD pipelines, automating cloud infrastructure, and deploying applications on Kubernetes. Skilled in using tools like Jenkins, Terraform, Docker, and ArgoCD, with experience in AWS services such as EKS, VPC, ALB, S3, and Lambda. Successfully implemented solutions to reduce cloud costs and save on log management. Experienced in automating processes, ensuring applications are scalable, and improving DevOps workflows.

SKILLS

Cloud	AWS (EC2, S3, VPC, IAM, EKS)
Containerization	Docker
Orchestration	Kubernetes, EKS
Infrastructure as Code	Terraform
Configuration Management	Ansible
CI/CD	Jenkins, ArgoCD, GitHub Actions
Build Tools	Maven, AWS CodeBuild
Scripting	Bash, Python
Operating Systems	Linux (Ubuntu)
Version Control	Git, GitHub

EXPERIENCE / PROJECTS

End-to-End DevSecOps CI/CD Implementation GitHub Actions & Kubernetes

- Designed and implemented an end-to-end DevSecOps CI/CD pipeline for a TypeScript-based Tic-Tac-Toe application using GitHub Actions.
- Integrated multiple stages into the pipeline, including Unit Testing, Static Code Analysis, Build, and Docker Containerization.
- Automated the update of image tags in Kubernetes manifests using Bash scripting.
- Pushed Docker images to the GitHub Container Registry and deployed them on Kubernetes using ArgoCD for GitOps-based continuous deployment.
- Utilized GitHub Secrets to securely manage and store credentials.
- Tools and Technologies: GitHub Actions, Docker, Bash, Trivy, Kubernetes, ArgoCD.

Automated AWS Cloud Cost Optimization AWS & Python

- Developed a Lambda function to automate the cleanup of unused EBS snapshots for cost optimization.
- Fetches all EBS snapshots owned by the account and cross-referenced them with active EC2 instances (both running and stopped).
- Identified stale snapshots by checking if the associated volume was not linked to any active instance.
- Automated the deletion of unused snapshots, reducing unnecessary storage costs.

Kubernetes End to End Deployment

AWS EKS

- Deployed a scalable and resilient application on AWS EKS using Fargate for serverless container management.
- Configured replicas in Kubernetes deployments to ensure auto-healing and simplified auto-scaling.
- Set up an Application Load Balancer (ALB) to manage incoming traffic and expose the application externally.
- Utilized Helm for efficient Kubernetes package management and deployment.
- Integrated IAM for secure access control and permissions management.
- AWS Services and Tools: EKS, Fargate, ALB Controller, IAM, Helm, Kubernetes.

AWS VPC and EC2 Creation

Terraform & GitHub Actions

- Automated the creation and management of VPC and its components using Terraform.
- Developed infrastructure-as-code (IaC) in a feature branch and implemented a CI/CD pipeline using GitHub Actions.
- Configured GitHub Actions to automatically execute Terraform commands (e.g., plan, apply) upon every push to the main branch.
- Ensured efficient, consistent, and streamlined deployment of cloud infrastructure.
- Tools and Technologies: Terraform, GitHub Actions, GitHub, AWS.

EDUCATION

QUALIFICATION	COLLEGE	YEAR OF PASSING	PERCENTAGE
B.Tech (CSE)	IIMT College Of Engineering	2023	84.4
12th	Saraswati Vidhya Mandir	2019	78
10th	Saraswati Vidhya Mandir	2017	83

ACHIEVEMENTS

- Meritorious Student Award (2022) - IIMT College Of Engineering
- Participated in Smart India Hackathon(2022) - Organized by AICTE and MIC
- CCNA Trained - Hands-on experience with networking concepts