

Vikash Kumar



8651246817



vkgupta993468@gmail.com



linkedIn



Github

Education

IIT Naya Raipur

B.Tech

Dec 21 2020 - Jul 24 2024

GPA: 7.96/10

Himalayan International School

Class-XII | CBSE

75.2

Himalayan Public School

Class-X | CBSE

93.2

Skills

Software proficiency

React

NodeJS

Express

MongoDB

Experience

Self Project

DevsecOps

May 2023 - August 2023

- CI/CD pipeline for Java Application to deploy on k8s cluster Integration of Jenkins & Sonarqube for static code analysis, Analyze over 1000 lines of code making sure every facet of the application meets the highest standards.
- Enhanced image management and deployment processes by implementing private registry on Nexus, resulting in improved reliability and reduced deployment time.
- Dockerizing and Identifying the misconfiguration in Helm Chart using datree through automated checks on 150+ configuration parameters.
- Deployment of the application on Kubernetes cluster using the helm chart which help us to manage and scale effortlessly with support for deploying across 3 different Kubernetes namespaces.
- Configuring mail server and enabling pull request trigger reduces turnaround time for code integration.
- Tech Stack: Jenkins, GCP, Docker, Kubernetes .

Self project

DevSecOps

February 2024 - May 2024

- Deploy Netflix Clone on Cloud using Jenkins (DevSecOps) Constructing Docker images in Jenkins and subsequently pushing them to the private registry Docker Hub.
- Scanning images with Trivy ensures vulnerabilities are identified and addressed, reducing the attack surface .
- Launching the Netflix clone app on Kubernetes, guaranteeing optimal performance even during traffic spikes of up to 5000 concurrent users.
- Monitoring with Prometheus, Grafana Track over 50 key metrics, including response times, error rates, and resource utilization.
- Email Integration With Jenkins and Plugin setup reduce communication latency, ensuring everyone stays in the loop on every build and deployment.

Courses

Cybersecurity Analyst Job Simulation | Tata Group(Forage)

January 2024 - March 2024

- Identity and access management (IAM) fundamentals IAM strategy assessment Crafting custom IAM solutions Platform integration.