Saurabh Kumar
DevOps Engineer

Cloud DevOps enthusiast who loves to integrate different tools to solve challenges.

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EDUCATION

Bachelor In Computer Application (B.C.A)
M.D College, Naubatpur

10/2021 - 2024   *1st - 66.5 %*

PERSONAL PROJECTS

⇨ Wordpress Application on AWS
- Deployed and hosted a highly available WordPress application using **EC2, EFS, RDS, Auto Scaling Group & VPC** on **AWS.**
- Used **Terraform** to Automate Infrastructure and **Ansible** to Configure webservers.

⇨ Implemented CI/CD pipeline
- **Tools used** : **[Git, Docker**, **Jenkins, EKSCTL, EKS, Helm, Argo CD]**
- Configure **Amazon EKS cluster** using **EKSCTL CLI.**
- Setup and managed **Docker container** for **JavaScript** application.
- Written **Kubernetes manifest** & push it to **Git** repository.
- Managed **deployment, replication, autohealing, autoscaling** for EKS cluster.
- Managed **network, services and ingress** with **load balancer**.
- **Achievement :** Reduced downtime by 75 % on production environment.
- Install and configure **Argo CD** in EKS Cluster.
- Develop an **Automated CI/CD Jenkins Pipeline** which helps the application gets updated and deployed in Amazon EKS.
- Stages included: **Build Docker Image**, Pushing it to repository, **Update Kubernetes deployment manifest** (app version tag).

⇨ Python Scripts to Automate Tasks (Boto3) 🔗
- Health Check : **EC2 Status Checks.**
- **Add environment Tags** to EC2 Instances.
- Backup EC2 Volumes: Automate **creating Snapshots.**
- Automate **cleanup** of **old Snapshots**.
- Automate **restoring EC2 Volume** from the **Backup**.
- EKS **cluster information**.

DEVOPS TOOLS

Linux Git Docker Kubernetes Jenkins
Terraform Ansible Prometheus Argo CD
Shell Scripting

CLOUD PROVIDERS

AWS

PROGRAMMING LANGUAGES

JAVA, C (limited working proficiency)

PYTHON (for scripting)

LANGUAGES

English
Professional Working Proficiency

Hindi
Native or Bilingual Proficiency

INTERESTS

Keeping up with the latest developments in technology (Web3.0, Metaverse, Blockchain)

Travelling   Bodybuilding