Vikash Kumar
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Professional Summary

AWS Certified Solutions Architect Associate with around **3** years of experience as a DevOps Engineer. Optimized deployment workflows, reducing effort by **60%** through CI/CD automation and scripting. Enhanced system reliability with centralized logging and monitoring. Led AWS audits and infrastructure redesigns, achieving significant cost savings and improving operational efficiency.

Skills

Technologies & Tools: Terraform, CloudFormation, Automation, AWS, Jenkins, GitHub Actions, Kubernetes, EKS, Docker, Docker Compose, Shell Scripting, Cloud & App Security, CloudWatch, Prometheus, Grafana, Networking, Linux
Languages: Bash, Python

Work Experience

Dhwani Rural Information System, Gurgaon　　　　　　　　　　　　　　　*Nov 2023 – Present*
Associate DevOps Engineer

- Migrated legacy workloads from **EC2** to **Kubernetes** using **Helm**, **ArgoCD**, and **Terraform (IaC)**, improving scalability and deployment automation.
- Optimized **Jenkins CI/CD pipelines**, integrating automated builds and tests to reduce deployment time by **70%**.
- Reduced AWS staging costs by **46%** through EC2 usage audits and business-hour instance scheduling.
- Implemented **Prometheus** and **Grafana** for centralized monitoring and alerting, reducing incident response time.
- Enhanced reliability and scalability via container orchestration and **infrastructure as code**.
- **Tech stack:** AWS, Docker, Jenkins, Git, Linux, Prometheus, Grafana, Terraform, Kubernetes, Python.

Solulab, Ahmedabad (Remote)　　　　　　　　　　　　　　　　　　　*Dec 2022 – Aug 2023*
DevOps Engineer

- Built and maintained **CI/CD pipelines** using **GitHub Actions**, automating build, test, and deployment workflows.
- Created **Shell** and **Python** automation scripts for backups and log management, improving efficiency.
- Deployed and managed containerized applications on **AWS** and **Kubernetes**.
- **Key tools:** AWS, GitHub Actions, Docker, EC2, S3, Shell, Python, Kubernetes, Terraform.

Education

BCA in Computer Science and Engineering　　　　　　　　　　　　　　*Aug 2019 – Jun 2022*
Rajiv Academy for Technology and Management, Mathura

Project Work

- **mGrant Product – DevOps Enhancements:** Led initiatives to optimize infrastructure, automation, monitoring, and security to improve scalability, reliability, and operational efficiency.
  - Orchestrated the migration of legacy infrastructure from **AWS EC2** to a **Kubernetes**-based platform using **Helm**, **ArgoCD**, and **Terraform**, enabling fully automated, scalable deployments.
  - Streamlined and optimized **Jenkins CI/CD pipelines**, reducing deployment time by **60%** and minimizing manual errors.
  - Redesigned the staging environment by auditing resource usage and implementing scheduled instance shutdowns during off-hours, resulting in **46%** cost savings.
  - Implemented centralized monitoring and alerting with **Prometheus** and **Grafana**, significantly improving observability and reducing mean time to resolution (MTTR).
  - Enforced security best practices by applying strict access controls and policies to safeguard the production environment and ensure compliance.
  - Developed Python automation scripts to generate daily test reports, enhancing debugging efficiency and code maintainability.

Awards and Certificates

- AWS Solution Architect Associate – Skills: Cloud Infrastructure, AWS, Cloud Architecture
- **Ultimate Milestone Achiever (Google Cloud)** – Completed advanced cloud learning paths.
- Docker Essentials: A Developer Introduction by IBM.