Kashinath Meshram

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Profile Summary

DevOps Engineer with over 1 year of hands-on experience in AWS, Terraform, Docker, and CI/CD automation, focused on optimizing cloud infrastructure and enhancing system scalability

Experience

BootCoding Pvt. Ltd., Devops Intern
Nagpur,Maharastra
Sep 2024 – Present

- Automated cloud infrastructure deployments using Terraform and managed AWS services such as EC2, S3, and RDS.
- Built and maintained CI/CD pipelines using Jenkins and GitLab for automated testing and deployments.
- Deployed scalable applications using Docker and Kubernetes, ensuring high availability and reliability.
- Collaborated with software engineering and data science teams to optimize cloud infrastructure.

Intellipaat Software Solution Pvt. Ltd., Devops Intern
Bangalore, Karnataka
Aug 2023 – Aug 2024

- Managed infrastructure provisioning with Terraform and Docker, overseeing cloud deployments.
- Automated deployments using Ansible and Python, improving system efficiency.
- Deployed and maintained microservices using Docker and Kubernetes.
- Implemented security best practices and RBAC for cloud environments.

Skills

Proficiency: AWS, Git, Docker, Terraform, Ansible, Jenkins, Kubernetes
Databases: MySQL, PostgreSQL, MongoDB
Monitoring: Prometheus, Grafana, CloudWatch
Security: SonarQube, Trivy
Languages: Bash, Python, YAML
Others: Vault, Helm Chart, Golang

Projects

1. Netflix Clone DevSecOps Project
github ↗

- Configured a Jenkins CI/CD pipeline to automate the deployment of a Netflix clone on AWS.
- Integrated SonarQube for static code analysis and security scanning, enhancing code quality.
- Utilized Docker and Kubernetes for containerization and orchestration, ensuring scalable and reliable deployments.

2.CRONDA - AWS Resource Optimization and Monitoring
github ↗

- Designed and developed a system to monitor and clear unused resources in AWS, leveraging services such as S3, CloudWatch, Lambda, and EC2.

- Implemented a notification system using AWS SNS for real-time alerts and GitHub Actions for CI/CD automation.

- Overcame challenges related to Lambda timeouts and CloudWatch metrics, optimizing the monitoring scripts and enhancing system efficiency.

- Learned effective resource optimization strategies and how to build scalable, event-driven architectures using AWS services.

3. Kubernetes Orchestration Projects

[github ⬈](#)

- Deployed microservices using Kubernetes, improving application scalability and fault tolerance.

- Automated infrastructure management using Helm charts to enable repeatable and consistent deployments.

- Utilized Prometheus and Grafana for monitoring Kubernetes clusters and tracking performance metrics.

4. Serverless AWS Project

[github ⬈](#)

- Built and deployed serverless applications using AWS Lambda, API Gateway, and DynamoDB to reduce operational overhead.

- Implemented cost-efficient solutions for processing and storing user data with minimal infrastructure management.

- Automated deployment using CloudFormation, improving infrastructure provisioning and reducing time-to-deploy.

5. CI/CD with Jenkins and Docker

[github ⬈](#)

- Developed a Jenkins CI/CD pipeline to automate the build, test, and deployment of Docker containerized applications.

- Configured Azure Pipelines for continuous integration and deployment in a cloud environment.

- Utilized Docker Compose to manage multi-container Docker applications, streamlining the development process.

Certificates:

AWS Certified Solutions Architect - Associate

DevOps Training - Intellipaat Software Solutions Pvt. Ltd.

Education

Rashtrasant Tukadoji Maharaj Nagpur University, B. E   june 2023
- GPA: 7.76/10
- **Skills:** AWS, PYTHON, IOT, ARDUINO UNO