**Chaithanya D**

**Phone: +91 - 6303128662**

**Email:** [chaithanya1812@gmail.com](mailto:chaithanya1812@gmail.com)

**Linked In:** <https://www.linkedin.com/in/chaithanya-dasari-31a2bb256/>

**Professional Summary:**

DevOps Engineer with **2+ years of experience** in implementing and managing cloud-based infrastructure and DevOps practices. Proficient in deploying CI/CD pipelines, automating workflows, and integrating security into the development lifecycle. Skilled at leveraging tools like Jenkins, Terraform, Kubernetes, and AWS to optimize performance, scalability, and security. Known for a deep understanding of modern DevOps tools and practices, with a strong focus on execution and delivery. Having Strong communication and collaboration with cross-functional teams and I have adaptability in dynamic, fast-paced agile environments.

**Technical Skills:**

|  |  |
| --- | --- |
| **Cloud Platforms** | AWS (EC2, S3, EKS, IAM, VPC, Route53, RDS, Secrets Manager, Elasticache, etc.) |
| **DevOps Tools:** | Jenkins, GitHub Actions, HashiCorp Vault, SonarQube JFrog Artifactory, ArgoCD, Packer |
| **Containerization & Orchestration** | Docker, Kubernetes, Helm, ISTIO Service Mesh |
| **Infrastructure as Code (IaC):** | Terraform, Ansible |
| **Monitoring & Logging** | Prometheus, Grafana, ELK Stack (Elasticsearch, Logstash, Kibana), New Relic |
| **Programming & Scripting** | Python (boto3), Shell Scripting |
| **Version Control** | Git, GitHub, GitOps |
| **Security** | AWS KMS, HashiCorp Vault |
| **Other tools** | werf, neo4j |

**Professional Experience**

**DevOpsEngineer**[Company Name] • [City, State] • [Start Date] – Present

* Implemented and automated CI/CD pipelines using Jenkins and GitHub Actions, improving deployment efficiency, and reducing manual interventions.
* Configured and maintained AWS infrastructure using Terraform, ensuring scalability, reliability, and compliance with security best practices.
* Deployed and managed Kubernetes clusters, including the use of Helm charts and ISTIO Service Mesh for enhanced traffic management and application performance.
* Integrated SonarQube into CI pipelines to improve code quality and reduce vulnerabilities, resulting in a 20% enhancement in overall security.
* Secured sensitive application credentials by setting up Hashi Corp Vault and enforcing strict access control policies.
* Monitored system health and performance using Prometheus and Grafana, achieving a significant reduction in response times to incidents.
* Configured EKS Access entry for Kubernetes pods for securely accessing AWS service
* Collaborated with cross-functional teams to align CI/CD processes with project goals, ensuring timely delivery of secure infrastructure solutions.
* Deployed and maintained cloud infrastructure with Terraform and Ansible, ensuring streamlined provisioning and management processes.
* Managed containerized applications on Kubernetes, optimizing resource allocation and minimizing downtime.
* Automated routine tasks such as EC2 provisioning, S3 bucket configurations, and database backups, enhancing operational efficiency.
* Created and customized Helm charts to simplify application deployments and standardize practices across environments.
* Collaborated with developers to implement GitOps workflows, enabling seamless updates and rollback capabilities.
* Configured and deployed monitoring tools like New Relic and ELK Stack to improve application visibility and performance tracking.
* Contributed to compliance efforts by implementing encryption and network isolation measures aligned with industry standards.

**Key Projects Tasks:**

**Secure Microservices Platform**

* Implemented a secure and scalable microservices platform on AWS EKS, leveraging ArgoCD for GitOps workflows and ISTIO for traffic routing.
* Set up EKS Access entries for Kubernetes pods to securely access AWS Services.

**Enterprise CI/CD Pipeline**

* Built and optimized CI/CD pipelines using Jenkins, SonarQube, and JFrog Artifactory to streamline releases and enhance code quality.
* Implemented Vault app role auth method to CI/CD pipelines to access secrets.

**Infrastructure Security Enhancement**

* Hardened AWS environments by implementing IAM best practices, encrypted storage with KMS, and network isolation.
* Implemented Terraform best practices for provisioning AWS Infrastructure.

**Cloud-Native Logging and Monitoring**

* Designed a centralized logging solution using the ELK Stack and integrated it with Kubernetes clusters to enhance observability.
* Developed tailored Grafana dashboards for cross-team insights, reducing time-to-detection for performance visualization.

**Future-Ready GitOps Workflow**

* Collaborated with development teams to integrate GitOps practices using ArgoCD, ensuring a seamless transition to declarative infrastructure management.

**Passive Learning**

* Werf (giterminism) can define the shape of entire CI/CD process, including building, testing, distributing, and deploying.
* neo4j for micro services managing.

**Education**

**Aditya College of Engineering (Affiliated to JNTUA)**

Bachelor of Technology in Mechanical Engineering pursued in the year 2022 with 71%.

**Declaration**

I hereby declare that the above information is true and correct to the best of my knowledge and belief.

**Chaithanya D.**