UDAY KUMAR SINGARAKAYALA

AWS-DevOps Engineer

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Objective

DevOps enthusiast with a Computer Applications post-graduate background and hands-on Skills in AWS, seeking a role in a growth-focused company where I can apply my skills, contribute innovative ideas and receive mentorship for a successful career.

Education

Master of Computer Applications (MCA) | CGPA: 7.8 Guntur, Andhra Pradesh
Acharya Nagarjuna University Dec 2021 – May 2023

Internship Experience

DevOps Engineer Intern Bangalore, India
ReBid Aug 2023 – Nov 2023

- Visualized Zabbix, Prometheus data source in Grafana Dashboards to monitor Kubernetes Cluster.
- Created Prometheus Alert manager and deployed on Kubernetes cluster by helm chart.
- Monitored Kubernetes services proactively identifying and addressing issue to maintain system reliability.

Skills

• **Operating Systems**	**Linux & Windows**
• **Version Control Tool**	**GIT**
• **Build Management Tool**	**Maven**
• **Continuous Integration Tool**	**Jenkins**
• **Containerization Tool**	**Docker**
• **Infrastructure as Code (IaC)**	**Terraform**
• **Configuration Management Tool**	**Ansible**
• **Orchestration**	**Kubernetes**
• **Monitoring Tools**	**Prometheus & Grafana**
• **Cloud Platform**	**Amazon Web Services**

Projects

- **Automated CI/CD Pipeline for Web Application using GIT, Jenkins, Maven, Sonarqube, Nexus, Docker, Kubernetes using AWS Cloud support** **LINK**
  - ❖ Ensured Packaging and release mechanism for End to end CI/CD Project (Nexus) using GITHUB Webhooks.
  - ❖ Used Docker as Containerization Tool and Kubernetes as Orchestration.
- **Deployed a Three-tier architecture in AWS using Terraform** **LINK**
  - ❖ Implemented a three-tier architecture on AWS using Terraform, automating the provisioning of VPC, subnets, EC2 instances, load balancer, and RDS database.
  - ❖ Valuable experience gained in Cloud Infrastructure automation and Terraform Usage.
- **Deployment of 2048 Game on AWS EKS Using Ingress** **LINK**
  - ❖ Successfully deployed the classic 2048 game on an Amazon Web Service (AWS) Elastic Kubernetes Service (EKS) cluster.
  - ❖ Utilized Helm charts for application deployment,configured Ingress efficient routing and external access.
  - ❖ This project demonstrated proficiency in managing Kubernetes clusters, Helm package management and AWS EKS operations.

CERTIFICATES

- Completed DevOps ON AWS Course on Coursera
- Completed AWS Cloud Practitioner Essentials Course on Coursera