RITHWIK SRIVASTAV

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OBJECTIVE

Highly motivated and detail-oriented DevOps Engineer and Cloud Engineer with hands-on experience in deploying, managing, and scaling applications on AWS and Azure. Proficient in automating infrastructure, continuous integration, and continuous deployment (CI/CD) pipelines, as well as managing cloud environments to ensure high availability, performance, and security. Eager to apply my skills in cloud technologies, scripting, and automation to contribute to a dynamic team and grow in a challenging and fast-paced environment.

MINI PROJECTS

➢ Terraform:

Multi-cloud Deployement using terraform:
- Automated infrastructure provisioning across AWS and Azure using Terraform for scalability and consistency.

Kubernetes Cluster Deployment:
- Provisioned a production-ready Kubernetes cluster using Terraform and Ansible.

➢ Kubernetes & Docker

Spring Boot Application Deployment:
- Containerized a Spring Boot application using a multi-stage Dockerfile and deployed it on Kubernetes. Ensured **high availability**, **auto-scaling**, and **seamless service discovery**.

Micro-services-Based Python Application:
- Built and deployed a set of **5 containerized micro services** using Docker and Terraform on a Kubernetes cluster. Configured a **load balancer** and **persistent volumes** for reliable performance and storage.

Static Website Deployment:
- Containerized a static website using **Nginx/Apache** and deployed it on Kubernetes. Implemented **zero-downtime rolling updates**, allowing smooth version upgrades and easy rollbacks.

➢ Ansible

Automated java-application deployment with ansible:
- Uses Ansible playbooks to automate the provisioning and deployment of a Java application on remote servers. Streamlines configuration management, and ensures consistent application delivery.

Automated manual deployment of website with ansible:
- Automates the traditionally manual process of deploying a website using Ansible playbooks. Handles tasks like server setup, file transfer, web server configuration, and service restart with minimal effort.

Automated react-js -application deployment with ansible:
- Leverages Ansible playbooks to automate the build and deployment of a React.js application to a cloud VM. Streamlines environment setup, dependency installation, and service configuration for seamless delivery.

➢ GitHub : Integrated Terraform CI/CD, automated testing, quality checks, linting, and formatting.

➢ Azure DevOps: Automated Kubernetes deployment with Terraform, and integrated testing and quality analysis.

➢ Python: Number Guessing Game, SIP Calculator, Simple Calculator, FASTAPI App, Currency Converter.

Category	Tools/Technologies
CI/CD Tools	GitHub Actions, GitLab CI/CD, Azure DevOps
Version Control	Git, GitHub, GitLab
Containerization	Docker
Orchestration	Kubernetes, Helm
Infrastructure as Code	Terraform, AWS CloudFormation
Config Management	Ansible
Monitoring & Logging	Cloud-watch, Prometheus, Grafana
Cloud Platforms	AWS , Microsoft Azure
Scripting	Bash, Python, PowerShell
Additional Tools	ArgoCD – GitOps CD tool ,Grafana – Monitoring & visualization Prometheus – Metrics monitoring

EDUCATION

Bachelor of Technology in Computer Science Engineering   2020 - 2024

- Trinity college of Engineering and Technology   **70%(7.31 CGPA)**

Intermediate (MPC)

- Sri venkateshwara Junior College   **91%(915)**

SSC

- Brilliant Model High School   **90%(9.0 GPA)**

INTERNSHIP

V CUBE software solutions pvt

- **Role**: DevOps & Cloud Intern
- Gained hands-on experience with **AWS** and **Microsoft Azure** cloud platforms.
- Worked on implementing **DevOps pipelines**, automation workflows, and deployment strategies.
- Developed a practical understanding of **cloud infrastructure**, **CI/CD tools**, and **infrastructure provisioning** techniques.

Date:
Place: Hyderabad   RITHWIK SRIVASTAV