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: Link**

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

➢ **Kubernetes & Docker Link**

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.

➢ **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 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.

➢ **Project: Wanderlust – End-to-End MERN App Deployment on AWS EKS Link**
- **Tech Stack: AWS EKS, Jenkins, Docker, Terraform, ArgoCD, SonarQube, Trivy, Prometheus, Grafana, Gmail, GitHub.**
- Built and deployed a full-stack **MERN application** on **AWS EKS** using an automated **CI/CD pipeline** with Jenkins and ArgoCD.
- Integrated **SonarQube, Trivy, and OWASP** for code quality and security scanning, achieving a complete **DevSecOps** workflow.
- Implemented **monitoring with Prometheus and Grafana** and automated infrastructure provisioning via **Terraform and Helm**.
- Implemented **email notifications** for Jenkins build events and **Redis caching** to enhance application performance.
- **Outcome:** Achieved a production-ready, secure, and fully automated deployment pipeline demonstrating complete **DevSecOps** lifecycle implementation.

➢ **Python:** Number Guessing Game, SIP Calculator, Simple Calculator, FASTAPI App, Currency Converter,Django Application **Link**

Category	Tools/Technologies
CI/CD Tools	GitHub Actions, Jenkins 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)**

COURSES

Quality Thoughts Training Institution

- **Course**: DevOps & Multi-Cloud Engineer(oct 2024-jan 2025,Batch-137)
- Completed my devops and multi-cloud
- Worked on implementing **DevOps tools**, automation workflows, and deployment strategies.
- Developed a practical understanding of **cloud infrastructure**, **CI/CD tools**, and **infrastructure provisioning** techniques.

Date:
Place: Hyderabad   RITHWIK SRIVASTAV