VASU GUTTULA

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OBJECTIVE

Seeking a dynamic role in Cloud Computing and DevOps to leverage skills in automation, cloud architecture, and CI/CD pipeline development. Dedicated to contributing scalable IT solutions while enhancing technical expertise. Committed to organizational growth and personal development in innovative environments. Proactive team player with a problem-solving mindset

EDUCATION

MCA, CHAITANYA DEEMED TO BE UNIVERSITY **PERCENTAGE: 92**

DEGREE(COMPUTER SCIENCE)-ADIKAVINANNATA UNIVERSITY- **PERCENTAGE: 71**

INTERMEDIATE: SR CHAITANYA JUNIOR COLLEGE **PERCENTAGE: 72**

SKILLS

Cloud	Amazon Web Services (AWS) , Microsoft Azure
CI/CD Tools	Jenkins, Argo CD
Build Tools	Maven
Static Code Analysis Tool	SonarQube
Docker Image Repository	Nexus, Docker Hub
Containerization Tool	Docker
Container Orchestration Tools	Kubernetes
Configuration Management Tools	Ansible
Infra Structure as Tool (Ioc)	Terraform
Monitoring Tools	Grafana, Prometheus, AWS CloudWatch
Web Servers	Apache, Tomcat
Databases	MS SQL (AWS RDS)
Scripting	Shell Scripting (BASH), YAML, Groovy
Version Management Tools	Git
Programming Language	Java
Networking Concepts	OSI Model

EXPERIENCE

Project: Three-Tier Architecture Deployment on AWS Description: Designed and implemented a highly scalable, available, and fault-tolerant three-tier architecture on AWS for hosting a web application.

- Configured Amazon Route 53, VPC, and Elastic Load Balancers to ensure secure and efficient traffic distribution across multiple Availability Zones.
- Deployed web and application layers using EC2 instances with Auto Scaling Groups, and used Amazon RDS in a private subnet for secure data management.
- Optimized performance with Amazon CloudFront for content caching and enhanced security using Amazon Certificate Manager (ACM) for SSL/TLS encryption.
- Monitored application health and performance using Amazon CloudWatch and automated scaling to handle dynamic workloads.
- Ensured cost efficiency through proactive resource cleanup and optimized scaling configurations.

PERSONAL PROJECTS

Project: CI/CD Pipeline with Jenkins, Docker, SonarQube, Kubernetes (EKS), and ArgoCD Description: Developed an end-to-end CI/CD pipeline to automate application build, test, and deployment processes, ensuring fast, reliable, and secure software delivery.

Highlights:

- Automated code integration, build, and testing using Jenkins and Maven, ensuring faster feedback cycles.
- Integrated SonarQube for static code analysis, improving code quality and enforcing coding standards.
- Built and pushed Docker images to Docker Hub, deploying containerized applications to Kubernetes clusters.
- Leveraged ArgoCD for GitOps-based continuous deployment, ensuring version-controlled and repeatable deployments.
- Configured Kubernetes (EKS) for scalable, fault-tolerant deployments and monitored application health using Kubernetes tools.

Technologies: Jenkins, ArgoCD, Docker, Kubernetes (EKS), SonarQube, Git, Maven, AWS CLI, eksctl

Project: DevOps CI/CD Pipeline with AWS, Terraform, and Kubernetes Description: Designed and implemented a fully automated CI/CD pipeline integrating infrastructure provisioning, containerization, and orchestration tools.

Highlights:

- Provisioned AWS resources (VPC, EC2, EKS, subnets, security groups) using Terraform, ensuring infrastructure as code (IaC).
- Built Jenkins pipelines for automated builds, testing, and deployment, reducing deployment time by 50
- Created Docker images for Java microservices, stored in Docker Hub, and performed vulnerability scans using Trivy.
- Automated deployment to Kubernetes (EKS) clusters using Ansible and eksctl, ensuring seamless scaling and management.
- Configured Kubernetes namespaces, services, and ingress rules for efficient application orchestration.
- Monitored deployments and cluster performance using Kubernetes CLI and AWS CloudWatch.

Technologies: Terraform, Jenkins, Docker, Kubernetes (EKS), Trivy, Maven, Git, AWS CLI, eksctl, Ansible

KEY STRENGTHS

- Strong interpersonal communication
- Self Motivated
- Decipline and quick learner.