NEELIMA GALI

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PROFESSIONAL SUMMARY

Self-motivated DevOps Engineer with hands-on experience in cloud infrastructure, containerization, and Infrastructure as Code (IaC), skilled in building CI/CD pipelines, deploying scalable applications, and optimizing cloud performance. Proficient in AWS services, Docker, Kubernetes, Terraform, and monitoring tools, with a strong problem-solving mindset and a passion for streamlining deployments, reducing costs, and enhancing scalability.

EDUCATION

Bachelor of Technology (B.Tech)   2023
Annamacharya Institute of technology and sciences   9.37 CGPA
Jawaharlal Nehru Technological University Ananthapuram
 Relevant Coursework: Computer Networks, Cloud Computing, Operating Systems, Foundation in Computer Science

TECHNICAL SKILLS

AWS Cloud: EC2, VPC, IAM roles, S3, RDS, Lambda, Route53, CloudWatch, CloudFormation

DevOps: CI/CD Pipelines: Jenkins, GitHub Actions | Build Tool: Maven

Containerization: Docker

Orchestration: Kubernetes

Infrastructure as Code (IaC): Terraform

Configuration Management: Ansible

Shell Scripting: Bash

Linux System Administration: Ubuntu, CentOS, Amazon Linux

Version Control System: Git, Github

Programming Languages: Python

Monitoring: Prometheus and Grafana

Soft skills: Problem-Solving, Communication skills, Adaptability, Analytical skills, Time management, Collaboration, Quick Learner.

PROJECTS

End to End CICD Implementation— Jenkins

- Developed a complete **CI/CD pipeline** for a Java-based application using **Jenkins Declarative Pipelines**, automating build, testing, security scanning, and deployment processes.
- Integrated various stages such as Build, Unit Testing, Static Code Analysis (SonarQube), SAST, DAST , and **Docker Image Creation**.
- Deployed the application on **Kubernetes** using **Argo CD**, reducing **deployment time by 85%**, minimizing manual errors and ensuring continuous delivery of application releases.

Secure Network Infrastructure Setup on AWS

- Designed and implemented a **highly secure VPC**(Virtual Private Cloud)with **private subnets** for critical servers, allowing only internal access while securing public endpoints.
- Configured a **NAT Gateway** to enable outbound Internet access for private servers, ensuring controlled and secure data traffic flow.
- Enhanced **network security** by implementing **security groups, NACLs** (network access control lists) and adhering to the AWS well-architected framework, increasing infrastructure resiliency and reducing unauthorized access.

Kubernetes End-to-End Deployment — EKS

- Deployed a containerized an applicationon **AWS EKS** (Elastic Kubernetes Service)using Fargate, ensuring high availability and seamless deployment.

- Configured **Kubernetes Deployments** with multiple **replicas** for **auto-scaling** and **self-healing**, enhancing application fault tolerance and scalability.
- Integrated an **Application Load Balancer (ALB)** to expose the application via an external IP, ensuring continuous accessibility and 99.9% uptime.

CI/CD Pipeline with GitHub Actions and Kubernetes

- Automated the build, test, and deployment process for a Java application using **GitHub Actions**, integrating **Maven** for build management and **Kubernetes for deployment** to ensure seamless delivery.
- Implemented secure credential management for **KubeConfig files** using **GitHub Secrets**, ensuring safe and controlled deployment to **Kubernetes clusters**.
- Achieved scalable and highly available application deployment by leveraging **self-hosted runners**, providing a secure and isolated build environment.

HANDS ON EXPERIENCE

- Completed a 6-month DevOps with AWS course at Besant Technologies, gaining expertise in cloud infrastructure, automation, and deployment strategies.
- Built and deployed scalable cloud infrastructure using Terraform, automating resource provisioning and reducing manual efforts by 70%, improving deployment speed and operational efficiency.
- Completed an 8-week virtual internship on the Salesforce platform.
- Attended a 10-day Employment Skill Development Training by Mahindra Pride Classroom, APITA, enhancing communication, leadership, and time management skills.

CERTIFICATIONS AND ACHIEVEMENTS

- Trained and Certified on **AWS** from Besant Technologies
- Trained and Certified on **Linux administration** from Besant Technologies.
- Trained and certified on **DevOps Methodologies** from Besant Technologies.
- Achieved Academic Excellence by ranking 1st in the college and branch with a CGPA of 9.37/10.0, demonstrating strong problem solving, analytical and leadership skills.