

NAGAJYOTHI MUNDLAPATI

| AWS | DevOps | Azure | GCP |

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PROFILE SUMMARY

An accomplished and result-oriented professional with 3+ years of experience in IT Industry, as a Cloud DevOps Engineer in **AWS | DevOps | Azure | GCP | Terraform** | with hands-on experience supporting, Automating, and optimizing mission critical deployments in production server & cloud. Building, Deploying, Source code management, leveraging configuration Management, CI/CD and DevOps Processes.

TECHNICAL SKILLS

CI/CD Tools	Jenkins, AWS DevOps and Azure DevOps
Build Tools	Maven, Nodejs and Dotnet
Container Management Tools	Azure Kubernetes Service, OpenShift (version 3.11,4.6), Kubernetes, EKS
Scripting	Shell Scripting and Python
Version Control System	Git, GitHub and Gitlab
Configuration Management	Ansible
Infrastructure as a Code	Terraform
Cloud Technologies	AWS, AZURE and GCP
Containerization Tool	Docker
Artifact Management Tool	Nexus3 & Azure Artifacts, AWS Code Artifacts
Knowledge Management Tool	Confluence
Code Quality check Tool	SonarQube

EDUCATION

B.Tech. in Electronics and Communication Engineering

2017-2021

Chalapathi Institute of Engineering and Technology

PROFESSIONAL EXPERIENCE

Project-3: End to End CI/CD

Jan 2024 – Til Date

Role: Senior Cloud DevOps Engineer (Charles Schwab)

Designation: Senior Systems Engineer

Responsibilities:

- Designed and implemented Jenkins-based CI/CD pipelines, automating end-to end CI/CD processes, reducing deployment errors.
- Build continuous integration & continuous deployment pipeline using Jenkins. Manage source code repository using GIT.
- Demonstrated proficiency in Ansible and Terraform, creating infrastructure on AWS using Terraform and managing package installation using Ansible.
- Integrate code quality tools like SonarQube.
- Set up Kubernetes Ingress and Ingress controller from scratch, optimizing application

routing and resource allocation.

- Writing Docker files for docker images to be used for application deployment.
- Collaborated with cross-functional teams to ensure seamless project delivery in Agile methodology. Integrating Nexus3 tool for Artifact management.
- Conducted training sessions on CI/CD best practices, empowering team members to take ownership of their pipelines.
- Infrastructure patch management for all Unix servers using Ansible.
- Application monitoring configurations - setting up the Prometheus, Grafana.
- Developing and maintaining the continuous integration and development pipelines using Jenkins, Git, Maven, Ansible.
- Written the Ansible YAML Scripts to Configure the remote servers.
- Jenkins CI/CD Pipeline configuration using declarative pipeline for each stage for deployment.
- Experience in automation of manual tasks & processes enabling better governance and compliance using Python.

Project-2: Secrets Management on AKS

June 2023 - Dec 2023

Role: Azure DevOps Engineer (Charles Schwab)

Designation: Systems Engineer

Responsibilities:

- Implemented Secrets Management on the Kubernetes clusters setup on Azure Platform using Azure Kubernetes Service (AKS).
- Access the secret in your pods using environment variables or mounted volumes.
- Using this project, I have secured the Sensitive Information by storing the information on the Azure Vault by integrating Azure Vault with AKS using Managed Identities.
- Secured the Stateful sets by reading the sensitive information from Azure vault and mounting the secrets from Vault.
- Azure key Vault Provider for secrets store CSI Driver to mount secrets directly into your pods.
- Learned how to set up Azure Kubernetes Service using Terraform and integrated the Vault setup using Terraform.

Project-1: Infrastructure as a code

Dec 2021 – May 2023

Role: DevOps Engineer (Charles Schwab)

Designation: Systems Engineer

Responsibilities:

- Designed and implemented a custom AWS VPC using Terraform, including public/private subnets, an internet gateway, and route tables.
- Ensured security with fine-grained security group rules.
- Leveraged Terraform Modules and state management for reusability and version control.
- Using Terraform enabling the seamless deployment of scalable cloud environments.
- Automated infrastructure provisioning for multi-region deployments, reducing manual efforts by 80%.
- Integrated Terraform with Jenkins and GitHub actions to streamline the infrastructure provisioning process through CI/CD pipelines.

Certifications:

- **AZ-400** Azure DevOps Engineer expert
- AWS Certificate Cloud Practitioner Certificate
- Google cloud certified Associate Cloud Engineer and Google Cloud Professional Cloud Architect

