Sri Jaya Venkata Surya Chitturi

Aspiring DevOps Engineer

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Aspiring DevOps engineer looking for the right opportunity in a highly competitive technological world where performance is rewarded with my responsibilities in DevOps and Cloud.

Technical Skills

Cloud Technologies	AZURE, AWS
Azure Services	Azure VM, Azure IAM, Azure Entra ID, Azure App services, AKS, ACR, Azure Storage and Azure CLI
AWS Services	EC2, s3, EBS, VPC, Route53 Autoscaling, ELB, ALB, EKS , IAM
Build Tools	Maven
Static Application Security Testing	SonarQube
Storing Artifacts	Jfrog, Nexus repositories
Container Technologies	Docker, Kubernetes
Scripting	Basic understanding on Shell and Python
Version Control System	Git, GitHub
Infrastructure as Code	Terraform
CI/CD	Azure DevOps, Jenkins

DevOps

- Knowledge of writing CI/CD pipelines using Azure DevOps.
- Knowledge of writing CI/CD pipelines using classic editor and YAML pipeline.
- Good knowledge of CI/CD methodologies with Jenkins.
- Installation setup and managing Jenkins administration.
- Good knowledge of Jenkins master-slave configuration for multi-machine builds.
- Good knowledge of creating Jenkins Freestyle projects to build projects, combining SCM and building systems.
- User management and permissions in Jenkins.
- Building EAR, WAR and JAR files from Git on the dev environment using Maven as build tools integrated to Jenkins and following stage Jfrog antifactory promotion to QA and Production servers.

- Managing Continuous Integration and Continuous Delivery (CI/CD) using Jenkins and release management using SonarQube.
- Knowledge of Installing Docker and Docker file instructions.
- Docker Image building using Docker file.
- Creating Docker Containers from Docker Images

- Knowledge on setting up and managing Docker private repository

Microsoft Azure:

- Good knowledge of creating Linux/Windows virtual Machines
- Knowledge of Virtual Networking.
- Creating VNET, Network Security Groups (NSG) and Routing VNet traffic.
- Knowledge on IAM, Azure account, tenant and subscriptions.
- Giving Role-based Access Control (RBAC) for authorization.
- Assigning Azure roles at subscription level, resource group level as well as at resource level.
- Knowledge on Azure resource manager and managing resource groups.
- knowledge on Azure Active Directory.
- Knowledge on different kinds of Storage and Azure storage account.
- Knowledge on writing RBAC roles via command line interface.
- Knowledge on scaling up and scaling down of instances, horizontal scaling and vertical scaling.
- Knowledge on VMSS Autoscaling.
- Knowledge on Azure CLI.
- Knowledge on writing ARM templates.

Education

- Bachelor of Technology from Srinivasa Institute of Engineering and Technology Amalapuram in Civil Engineering in 2017, Andhra Pradesh, India.

Experience:

Project 1:

- Experience in DevOps operations for EKART application.

Complete CI/CD Jenkins pipeline for JAVA-based EKART application and deploy into Kubernetes.

Roles and Responsibilities:

- Build the complete infrastructure using Terraform.
- Fixing the build issues by working with developers.
- Used Maven as a build tool.
- Used Jfrog as an artificial storing application.
- Complete CI/CD setup for various environments Development, UAT and Prod.

- Setting up SonarQube for checking the code quality and done Sonar Analysis.
- Used Docker for creating container and deployed into Kubernetes.
- Used OWASP and TRIVY for scanning the docker images and for dependency check.
- Created IAM roles for and service account for deploying into Kubernetes by giving permissions for the specific user.
- And configured mail notifications SMTP server in CI/CD pipeline for get to know the build was success.

Project 2:

- Experience in deploying a web page using Azure App Services through CI/CD.

Roles and Responsibilities:

- Used Azure App Services to deploy the application into different stages configured as deployment slots into Azure App Services.
- Automating Deployment with multi-stage Release Pipelines involves deploying to the staging environment through one release pipeline and then deploying to the prod environment through another release pipeline.
- Deployment gates such as Query Work Items and Approvals before the prod deployment.
- And I have done continuous delivery using deployment slots to enable Blue-Green deployment.

Project 3:

- Implemented continuous integration and continuous deployment for a voting application separately and deployed into Kubernetes.

Roles and Responsibilities:

- By continuous integration, we used to deploy our Artifacts into ACR.
- Created AKS cluster and Configuring Virtual Machine Scale Sets as Node pools in AKS.
- Achieved automated deployments using ARGO CD.