TEK010885 (DevOps - 7 + Year)

📖 Bachelor of Engineering - Computer Science

Highlights

SUMMARY:

Looking for a challenging opportunity where I can utilize my skills towards the growth of the organization as well as individually to become a successful professional and to work in an innovative and competitive world.

PROFESSIONAL PROFILE

- Around 7 years of experience in IT Industry and around 4 years of experience in Devops tools such as GitHub Actions, Azure Devops, Helm, Docker, Kubernetes
- hands on experience on Docker and Kubernetes in Azure.
- hands on experience on creating azure resources using Bicep.
- Experience in Agile methodology.
- Automating, building, deploying, configuring process and release management.
- Having experience in Nagios network monitoring Tool
- Having experience in configuring Pipeline as code with YAML
- Having experience in configuring CD Azure Pipeline for Jenkins CI Pipeline
- Worked on Branching and experienced in creating Pull requests using Azure repos and as well as Git.
- Having Good Knowledge in automating, building, deploying, configuring process and release management.
- Executing builds and troubleshooting, Interaction with developmentand QA teams.
- Deployment Automation for all in-scope applications – DotNet, Python and NodeJs.
- Proficient in supported for Prod and non-Prod (Dev, UAT, Prod) deployments.
- Monitoring cluster metrics with Prometheus and visualize the dashboard with Grafana.

Skills

Primary Skills

- AWS
- Kubernetes
- Linux
- Shell Scripting

Secondary Skills

- Azure
- DevOps
- Docker

Other Skills

- Languages : Yaml and Bash

TECHNICAL SKILLS:

- Version Control Tool : GITHUB
- Integration Tool : Azure Devops, GitHub Actions
- Container technologies: Docker and Kubernetes.
- Monitoring Tool: Prometheus, Grafana, Azure Monitor
- **Projects** Package manager: Helm
- Infrastructure : Bicep and Terraform Scripting

Project 1. - IT Industry (8 months)

Roles- Devops Engineer

Responsibilities -

- Creating Dockerfile for .Net and angular applications, Publish images to Container registry.
- Used Docker task in azure pipelines to build and push the docker images to registry.
- Implementing branching strategy, branching policies and build validation.
- Creating and Configuring Storage Accounts with retain policy.
- Monitor the alerts of all resources for all environments using Azure Monitor.
- Build the infrastructure with Terraform.
- Check the health status of all azure resources with service health.
- Created CI/CD pipeleines using YAML files in deploying the code in the Web Applications in multiple environments where the source is Azure Repos and GitHub.

Project 2. - IT Industry (27 months)

Roles: Devops Engineer

Responsibilities -

- Automated Continuous Integration build and deployments across multiple different environments (DEV, QA and Production).
- Implemented Codeowners file in repositories to review a pull request before merging to develop branches.
- Design and develop CI/CD pipelines/releases for diverse applications with yaml scripting and VS Code.
- Writing Dockerfile for applications, Publish images to GitHub Container registry (GHCR).
- Using the Github actions for Docker image to build the images.
- Used Docker task in azure pipeline to build and push the docker images to registry.
- Implementing branching strategy, branching policies and build validation.
- Implementing gates and approvals on pipeline & release stages.
- Creating and Configuring Storage Accounts with retain policy.
- Implementing semantic version action in the workflow and push the image with semantic version.
- Deploying and configuring complex databases and ingress controllers with the help of Helm.
- Created secret in kubernetes to pull the image from registry to yaml file and configmap to get the configuration.
- Created database backup weekly and store it in azure blob storage using SAS token and AZCopy.
- Exposing the database services as per leads request to backup the data.
- Monitor the metrics in Prometheus and integrate with Grafana to visualize the data coming from metrics.
- Created CI/CD pipelines using YAML files in deploying the code in the Web Applications in multiple environments where the source is Azure Repos and Github.
- Having experience in running Kubernetes commands using Kubectl to get the details of pods, nodes, deployments and services.
- Creating variables in YAML files used in Azure Devops release pipeline instead of hard coding.
- Deployed namespaces, applications in kubernetes.
- Routed services will listen 80, 443 to a single IP address and access with nginx ingress controller.
- Create the Infrastructure (IAC) using Bicep.

- Design and develop CI/CD Azure DevOps Pipelines/releases for diverse applications with yaml and classic editor.
- write Dockerfile for Node/ .NET applications, publish images to GitHub Container registry (GHCR).
- Enabled status check pipeline before merging to default branch.
- Writing workflows in GitHub actions for Continuous Integration and Continuous deployment.
- Deploying databases and ingress controller with Helm.
- Implemented versioning for Docker images.
- Deploy the application to azure app service.
- Generating azure credentials and use them as a secret in workflow to deploy resources in Azure.
- Creating resources (resource groups, cluster and public IPS) in azure using Bicep.
- Critical deployments in Azure Kubernetes.
- Exposing multiple services with nginx controller instead of using multiple IPS.
- Running PowerShell script to manage database backup every week.

Environment: GIT, GitHub Actions, Azure Devops, Azure pipelines, Helm, Docker, Kubernetes, Terraform, bicep, Prometheus and Grafana.

Project 3. - IT Industry (3 months)

Role - Consultant-support

Responsibilities

- knowledge on implementing branching strategy, branching policies and build validation.
- Hiring consultants for cloud technologies.
- Screening and evaluating the candidates based on the skill.
- Implementing gates and approvals on pipeline & release stages.
- Created CI/CD pipelines using YAML files in deploying the code in the Web Applications in multiple environments where the source is Azure Repos and Github.
- Creating variables in YAML files used in Azure Devops release pipeline instead of Hard coding.
- Creating Resources in Azure using Bicep and Terraform.
- Experience in running Kubernetes commands using Kubectl to get the details of pods, nodes, deployments and services.
- Created build and release pipelines in Azure DevOps and did deployment to multiple platforms by implementing CI/CD YAML files.

Project 4. - IT Industry (47 months)

Role - Middleware Admin

Responsibilities

- Deployed the jobs on Jenkins.
- Log into the servers and check the war/jar files.
- Monitor the servers and start if they are down.
- Cleaning up the physical memory and swap memory if threshold frequency exceeds.
- Executed data fix scripts using SQL Developer database.
- Check the pods in the Rancher, redeploy the workloads if pods are not running.
- Performed 24x7 Production support for the several application across different business areas.
- Installed, configured and administered WebLogic Server 10.3.x/11g on Red Hat Linux 5.x and Windows environment.
- Installed and Configured the IBM BPM v8.0/ 8.5 on various platforms like Linux, AIX and Windows in Clustered and Non Clustered Environments.

- Deployed snapshots in various Process Server environments, created BPM groups, mapped NT groups to BPM groups and updated EPVs, Environment Variables, Team Bindings as needed.
- Used Process Admin console to activate, deactivate, stop, and un-deploy snapshots.
- Performed J2EE application deployment and administration including JAR, WAR, and EAR files.
- Initially used Ant for writing build.xmls for building Java/J2ee applications later on migrated to Maven.
- Configured and administered of JDBC, JMS in WebLogic Server 10.3.
- Start/stop the Jenkins/Rancher servers whenever there is a OS patching.