Azure Devops engineer Intro

Sure, I will introduce myself

I have several years of hands-on experience

Azure devops engineer

And i have worked on various devops tools and technologies such as azure devops automating the build and deployment process

also I have worked on terraform which is Infrastructure as code tool for creating resources on azure cloud

Also I have experience on containerization tools such as docker and kubernetes

In docker i have created various dockerfiles and in kubernetes I have created cluster, did maintainance and troubleshooting

Used shell scripting and python scripting for automating various tasks

Also worked on ansible for writing various playbooks for installing packages and making configuration changes on servers

I also have knowledge on version control such as git

Apart from this I have worked on various azure services such as Virtual network, virtual machines, applicaiton gateway, active directory,

azure functions, azure kubernetes , azure container registry and various other services

So, this was a brief introdcution about myself

Tools

Also, I have worked on the various source code management tool like Git repository, Azure repository.

I have worked on the contradiction tool like Docker and Kubernetes. I have worked on the CICD pipelines like Azure DevOps CICD pipeline, as well as Jenkins CICD pipeline.

I have also worked on the infrastructure as a code tool like TerraForm, as well as on the Ansible as a configuration management I have also great experience of the DevOps.

tool.

I have also worked on the various services of the Azure, like virtual machines, v net, auto scaling, load balancing.

I have also worked on the scripting language like bash shell scripting, as well as on the Python scripting. So these tools I have worked on, the DevOps also. So

day-to-day

so my day to day activity includes like code management,

like doing the branching and merging, working on pipeline management,

like creating and manage the existing pipeline or Any new changes that is required.

Sprint planning, like we have to attend the sprint planning, complete the ticket which is assigned to you, update the backlogs, if anything is and prioritised, and refine the blockers that is happening.

I have to collaborate with the teams, like developer teams, for understanding their use case and creating the architecture, working on the architecture and the components that they required.

I'm also responsible for monitoring the infrastructure health using a Job Monitor and set up the alert For any critical issue. I

Yeah, so, so once, so we had a pipeline which is

building the application using Maven plugin and building a code with the DevOps within the DevOps file and pushing it to ACR repository and building a Kubernetes manifest file, which is a deploying pipeline, which is used to manage and deploy the pipeline for the AKs cluster.

So the

prerequisite something like we had a repository with the application code, and then we created a project in the Azure DevOps organisation and create a new project and added a code to the project that is to be needed, navigate to the pipeline section, chooses the repository and configure the pipeline with the application. So as I said that I was using Maven. So it was Maven pipe, Maven used as a build tool.

Then we created a like, I said, for AKs deployment. We created a release pipeline like then we after we build and push the Docker pipeline, Docker, Docker image, we pushed it, and then we add a stage for each environment, like Dev, test, prod, we configure the task for each stages, for example, deploying it to AKs. Then we configure the environment and necessary specific configuration, such as variables, approvals and gates. Then we release the pipeline and manually create a release to the test deployment verify that our application is successfully deployed to the target environment. We use CICD pipeline trigger to build pipeline in. Trigger automatically build test and Artifactory the release pipeline is triggered based on the completion of the build pipeline, like deployed to the dev and approval, like before deploying to the test of product is asking for the manual approval, then the application is deployed to the test and prod environment