Lesson 5: CI/CD with Cloud Native Tooling

▼ Technologies explored in this lesson

1. CI/CD Fundamentals

2. Cloud-native tooling to make a CI/CD pipeline

3. Github actions and Argo CD

4. Helm: Configuration manager

Application Releases

- Using Cloud Foundry, we can watch new commits and opt for one-click redploys of applications.

- Now, we will automate the process to deploy an application to a K8s cluster. Basically, we won't have to manually write the `docker` and `kubectl` commands in each stage. The delivery pipeline will take care of continuous delivery.

- Before developing a delivery pipeline, it's important to understand why we need one. If you're working on a project which has a lot of microservices and hundreds of developers working towards the production of the application, you can't sit and waste time by deploying the application manually each time. Automation of this process will save you time and help rapidly deploy new functionalities.