Phase 5

**CI/CD Deployment for Springboot Application**

**Objective:**

As a Full Stack Developer, you have to build a CI/CD pipeline to demonstrate continuous deployment and host the application on AWS EC2 instance.

**problem statement:**

As the project is in the final stage, management has asked you to automate the integration and deployment of the web application. You are required to set up an environment where the application will be hosted and accessed by users.

**Steps to following:**

* Eclipse
* GitHub
* Jenkins
* AWS EC2/ Virtual machine

Process:

Step 1:

* Create an springboot application and web dependency
* Add the index.html with .css style file to the project
* Do mav install for the project
* It will install the .jar file

Step 2:

* Create an ec2 instance and open the linux terminal
* Made the ec2 instance to s3 read only IAM role
* Then create an s3 bucket and make it public
* Add the .jar file that created form the eclipse after doing mvn install
* In linux terminal install the httpd, Jenkins, and the java
* Install or download the .jar file from s3 to linux instance
* Do java –jar (file name) to run the javafile

Step 3:

* Select the ip address form the instance after doing the java –jar
* Browse that ip address in the browser to see the output
* Follow these steps to CI/CD Deployment for Springboot Application