SDLC

developer
& page

Githus

or

Maven

Selenium

(self paced)

| Plan |
| Code |
| Build |
| Test |

Platform
Integr→

Jenkins. → Automate the parts of s/w develop?

Integration
Tool

| Deploy |
| Operate |
| Monitor |

Ansible
Docker
K8S

→ Promethy
& grapr

Nagios

Cloudwatch
(AWS)

(self paced)

Jenkins → Java application

Jenkins lab:

1) launch a windows 2019 base free tier ec2 machine with http and custom tcp (8080) ports enabled

2) select your ec2 -> connect -> rdp -> download rdp file -> click on get pass -> copy paste your key pair -> open rdp file and paste the keypair there itself

3) click on startup button of machine -> search for Server manager -> local server -> disable the ie security

4) go to internet explorer -> search git for windows and download it

5) search jdk 11 -> download jdk 11 -> after the installation -> go to c drive -> program files and check if java -> jdk 11 is there or not

6) go to startup -> search environment variable -> pop will come -> environment variables -> in user variable -> new (name: JAVA_HOME and link <<java jdk11 folder link) --> admin variable -> new (name : JAVA_HOME and link <<jdk 11 folder link>>) click on PATH --> copy paste the bin folder link in jdk11

7) Go to internet explorer -> search maven -> download binary zip aarchive
8) the zip file would be there and inside that folder would be there-> just cut the folder and paste in c drive of your machine

9) startup menu -> search environment variable -> new (both) -> name: M2_HOME
link : link of your maven folder
path : put the path of bin folder of maven

10) go to internet explorer -> search jenkins -> download jenkins (Use LTS version windows) -> install jenkins
open : localhost:8080 you will see that you have succesfully logged in into jenkins