DEVOPS TOOLS

- GIT
- GITHUB
- JENKINS
- APACHE MAVEN
- DOCKER
- KUBERNETES
- PUPPET
- ANSIBLE
- ARTIFACTORY
- SONAR QUBE

- SELENIUM
- CHEF
- SPLUNK
- ELK
- TERRAFORM

- CLOUD TOOLS
- AMAZON WEB SERVICES
- AZURE

- GIT:
- Git is a open source decentralized source code management tool highly scalable and support nonlinear development it is pretty reliable. every contributor has a local repository as well.so that why git is decentralized tool.

- GITHUB:
- GitHub is version control system it means tracking the changes is known as version control system.it tracking the changes in local repository and push the code into remote repository it is quick and reduce the time.

- ⊙ <u>JENKINS:</u>
- ⊙ Automated and integrate all the software of a life cycle where we build and test the code we can configuration the Jenkins when ever changes made in GitHub the changes will taken by Jenkins and build and test process automatically started code and test deploy simultaneously.

- ⊙ <u>APACHE MAVEN:</u>
- ⊙ It is used to automate built mainly used in java based code it can be also used in another languages it does the way the software is built dependence the software requires these are saved in .pom xml file it means project object model.xml file it describe entire project in single file.

- DOCKER:
- It is container tool it creates different containers and which isolates them suggest from other container and also the server so that have own software library and configurations.

- KUBERNETES:
- It is a container orchestration tool for continuous deployment of software which were already built it accept Docker has a container platform it is a open source process that enables software team of all size from a start ups.

- PUPPET:
- Most famous configuration tool used for deploying configuration and managing servers it has a master slave architecture open source long commercial track record.

- ANSIBLE:
- It is an open source configuration and management tool support push configuration it has master slave architecture it is completely agentless.

- ARTIFACTORY:

- Artifactory is a universal repository. It is the single tool that sits in the centre of your development ecosystem and talks to all the different technologies, increasing productivity, reducing maintenance efforts and promoting automated integration between the different parts.

- SONARQUBE:

- It is a quality control tool checking the redability the bugs inside the code and continuous inspection easy integration ci/cd tool.

- SELENIUM:
- It is a software tool to the browsers it is a open source and mainly used for functional testing and regression testing Its support different platforms
- programming languages like java python phy ruby JavaScript.
- operating system are windows mac Linux android.

- CHEF:
- It is a configuration management tool support multiple platforms and can be integrated with cloud based platform and open source tool active smart and fast growing support.

- SPLUNK:
- It is used to store search analyse and visualize the machine generate data it is type of data file create knowledge objects for operation intelligence and it is used for monitor business metric.

- ELK:
- It is a powerful collection of three open source tools.

  - Elastic search - It is a no SQL database.

  - Log stash - It is a data collection pipeline tool.

  - Kinaba - It is a data visualization tool.

- TERRAFORM:
- It is a open source infrastructure as code software tool user defines and provide data centre infrastructure using a declarative configuration tool.

- AZURE:
- It provides services pipelines artifacts ci/cd version controls testing tools and monitoring tools.

- AWS:
- It defines as AMAZON WEB SERVICES it provides code commit code deploy code pipeline and code built and version control systems.