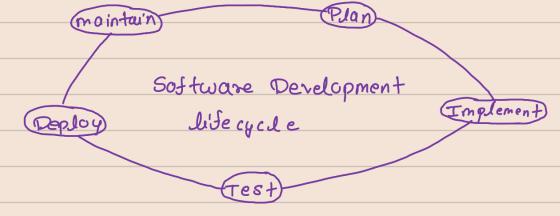
O. Bootcamp overview.
Devops tools you will learn
OOS-dinun.
2. Version control-Git.
3. Build toals- maven gradle npm.
@ artifact repository manager - nenus
© CI-CD - Jenkina
O. Cloud Iaas - Aws.
7. Infrastructure provisioning - Terraform
® programming - python
9. Container- Docker.
10. Container orchestration- Kubernetes
11). Configuration management using Ansible
13. Monitoning-Prometheus.
* How to use boot camp efficiently.
O Videos
@ Handbook / checklist.
you learn the most when you use the
tool
* aloud platform usage
aws, Digitalocean, Linode. one some of days 60 days server for free free free
for a year.
eks, ecz instance - cont gou
- charged for usage based on resources
and time.
- be aware and check out the prices!
- delete au resources when done
dearning.
* Certificate of completion.
2 Totroduction to Devops



* Complete software Development process. eg- Facebook

- To build such an application requires au different IT roles.

1. Programming.

- Software is programmed by developers.
- I'm different programming languages
 eg Java, python, Javascnipt.
- one team per app or per feature.
- eg- fb messenger. fb pinel fb shops fb conversions api
- new functionality
- fin bugs.

2. Software testing.

- test the new features.
- test the ald code / functionality.
- Testing is done by developers and dedicated testers.
 - automated testing (program testing the application)

(code test the code)

3). Release of software. (Operations)

- build application run software in production.
- upgrade enisting software

* Traditional : Development vs operations - 05, mostly Unun - programming languages - Test frameworks - command-line - Databases - Scripting - monitoring toals - version control. - communication is important. - in reality silos between these two - Dev Team documents - operation team tries instructions. to fallow the instructions. x not clear enough x something missing. X release takes How to solve it? Salution: Devops culture. Devops was just a way of working between Devis and op's. Common language to communicate. - Became its own rale and job. many new concepts and tools. Devops engineer. Devops task and responsibilities. - need some know-how from Dev and ops Team. - additional Devops specific skills and know-how. CI (CD pipeline watersile vs agile = influences speed and process of software development the way an organization is developing applications. -> Traditional waterfall.

Requirements - plan everything xinedfective process before hand * over time new Development - dev code completes
requirements may
anise
app. many places of failure miscommunic Testing - Testing after no fast eveloped.

Operations - huge preparation -> Agile methodology speed of development, testing and deployment cycle. - each feature gets tested, deployed - immediate feedback - fast development and deployment process. - Scrum and Kanbon - Specific simplementation. CI - CD.