DevOps Connect

in association with

PVG's COET & M
Department of Computer Engineering

$ whoami

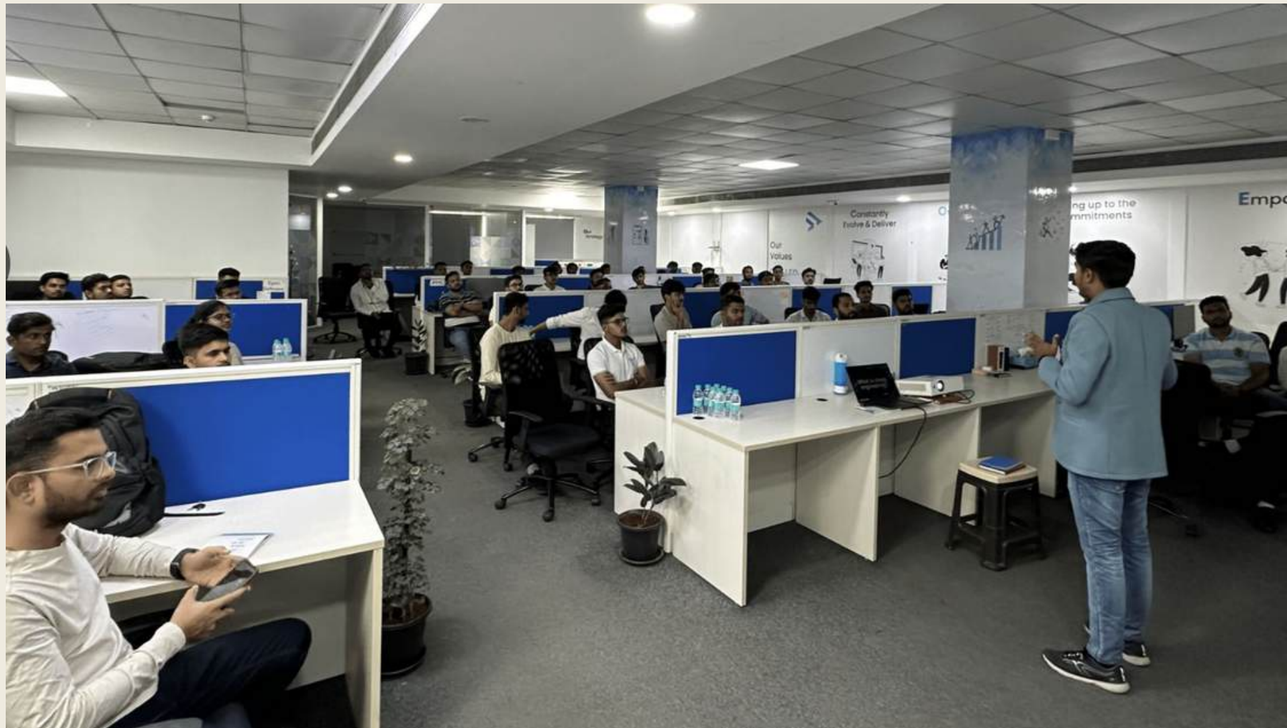
Mayur Waghmode

BE Computer 2016-20
5+ Years of experience in DevOps
DevOps Engineer 2 at Teradata
Certified Kubernetes Administrator
AWS Certified Solution Architect Associate
President - Teradata Pune Toastmasters Club
Regular attendee and volunteer in Pune DevOps groups
Mentor DevOps aspirants on Topmate.

AVAYA
SPEAKER 2
UDAYENDU KAR
SPEAKER 3
Register Now
MANJUL SOLANKE
SAGAR UTEKAR
MARCH 4, 2023
SATURDAY
9.30 AM TO 1.30 PM
VENUE:

DEVOOPS PUNE MEETUP #5
DevOops Pune
MAYUR WAGHMODE
DEVOPS ENGINEER 2
TERADATA
CHAOS ENGINEERING IN CI/CD
Integrating Chaos Engineering into CI/CD pipelines is a proactive approach to achieving system resilience.
JUNE 01, 2024
09:30 AM - 1:00 PM
ONLINE REGISTER
HOST AND MODERATOR
AKSHAY ITHAPE
SPONSORED BY
fiberplane
techspian

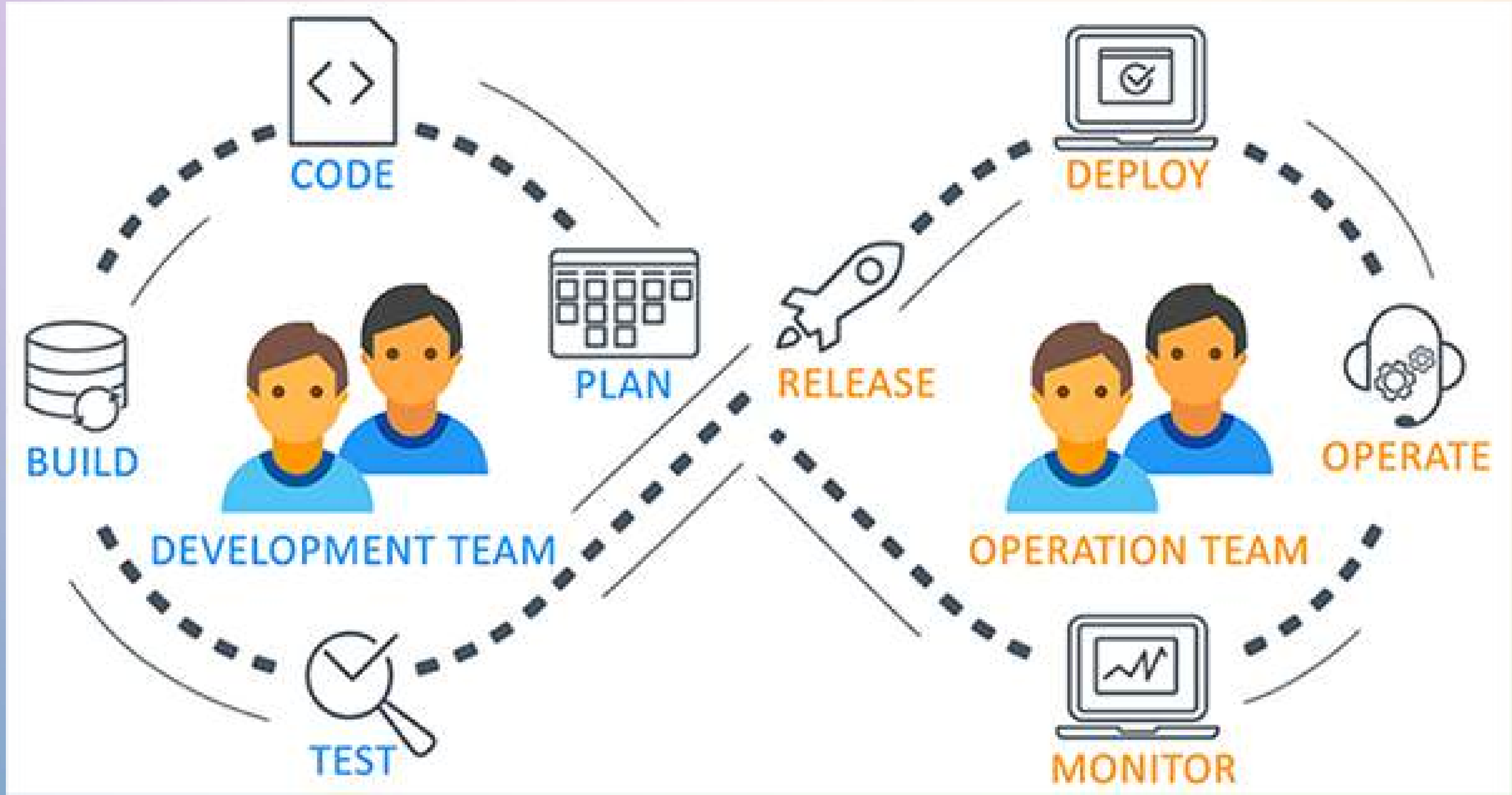
Aashutosh



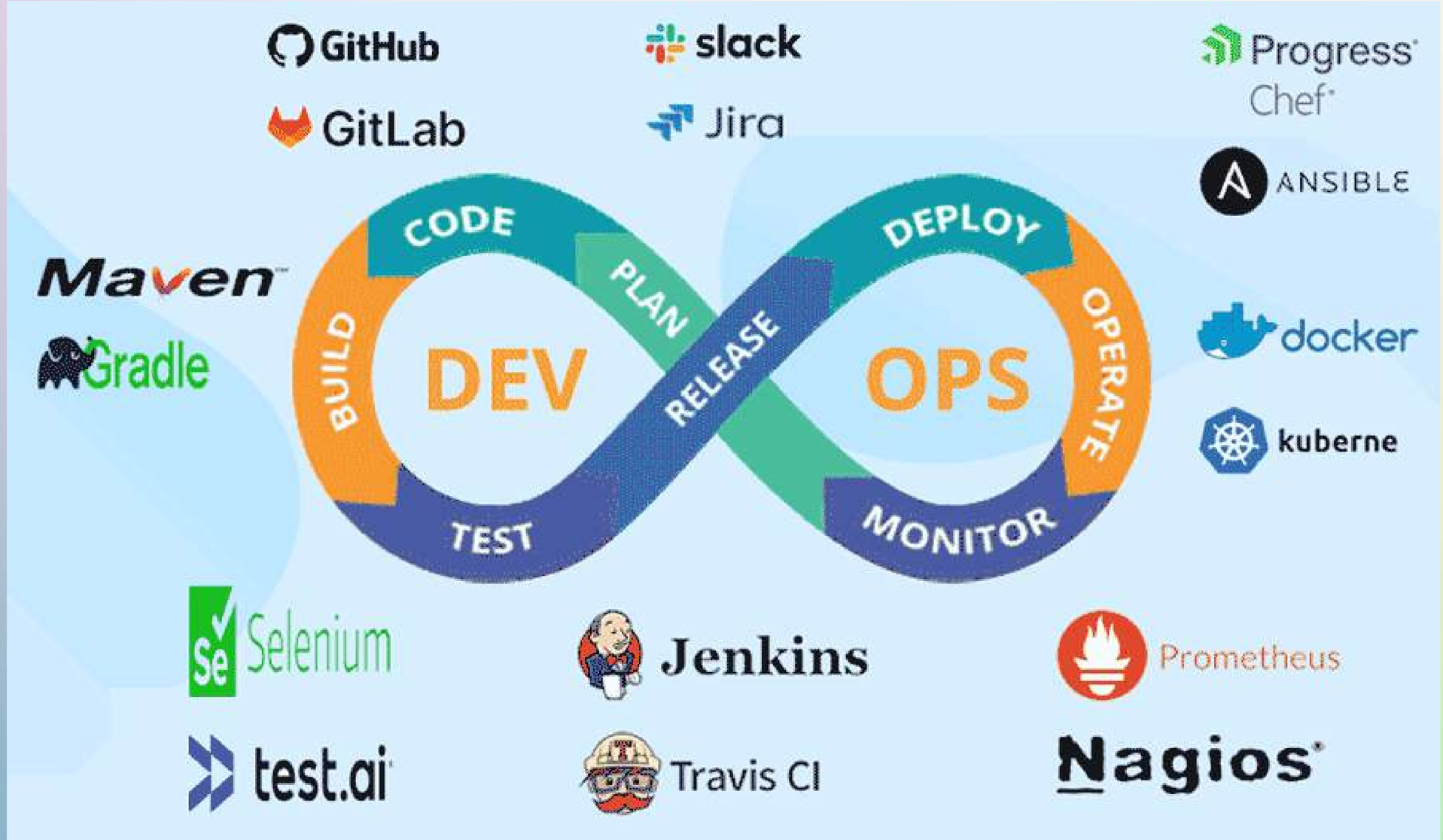
Lichess: waghmodemayur

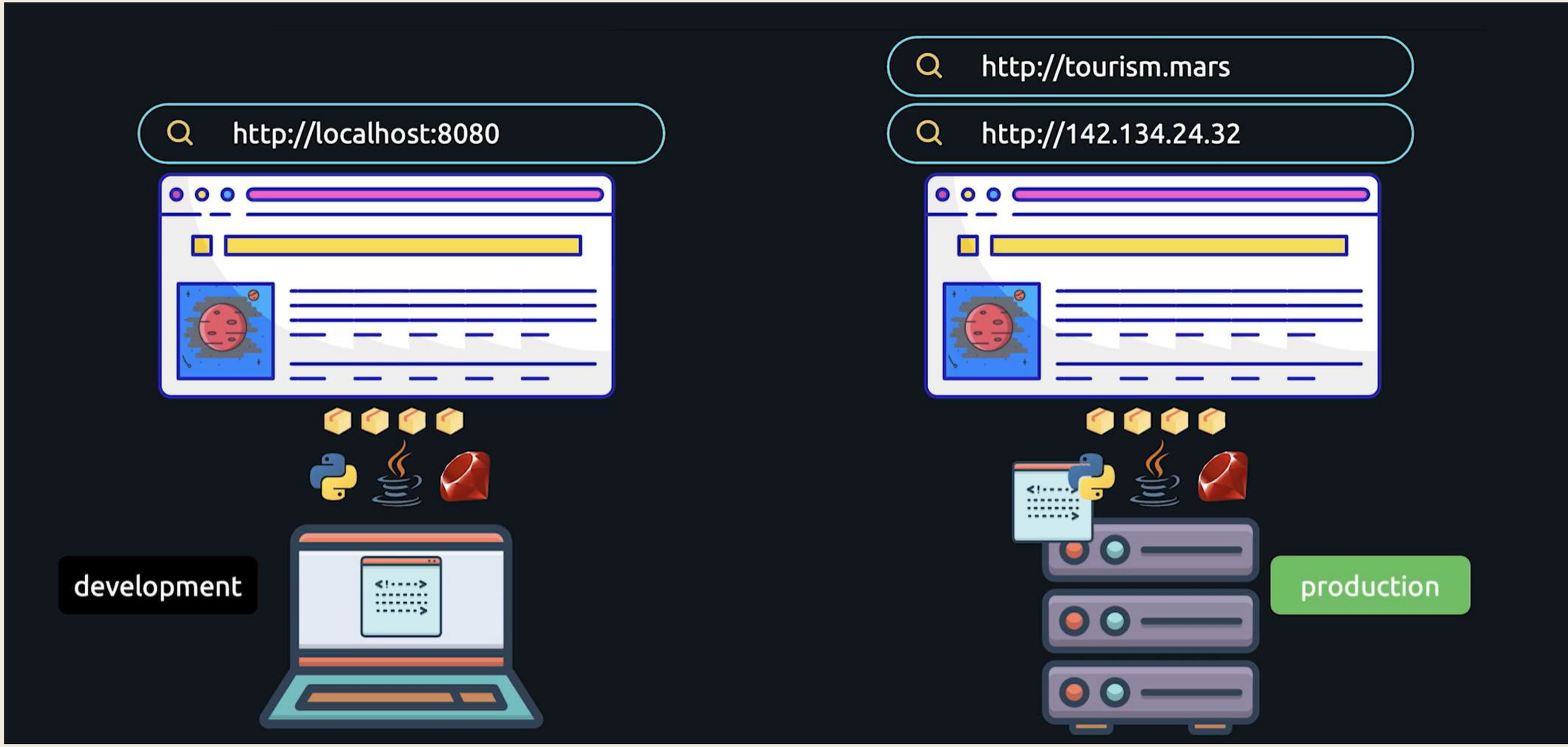
Chess.com: mayurwaghmode

What is DevOps?



DevOps Lifecycle




http://localhost:8080
development
http://tourism.mars
http://142.134.24.32
production

Elon Musk Retweeted

You @me · Nov3

Wanna book your trip to mars in advance? Book at https://tourism.mars @elonmusk

0 0 0

You @me · Nov3
Wanna book your trip to mars in advance? Book at https://tourism.mars
@elonmusk
10.4K
34.5K
255K

development

production

code.py

```python
def book_my_ticket_to_mars():
    # world changing code here

# starts here
if __name__ == '__main__':
    book_my_ticket_to_mars()
```

app.exe

.BIN

./app

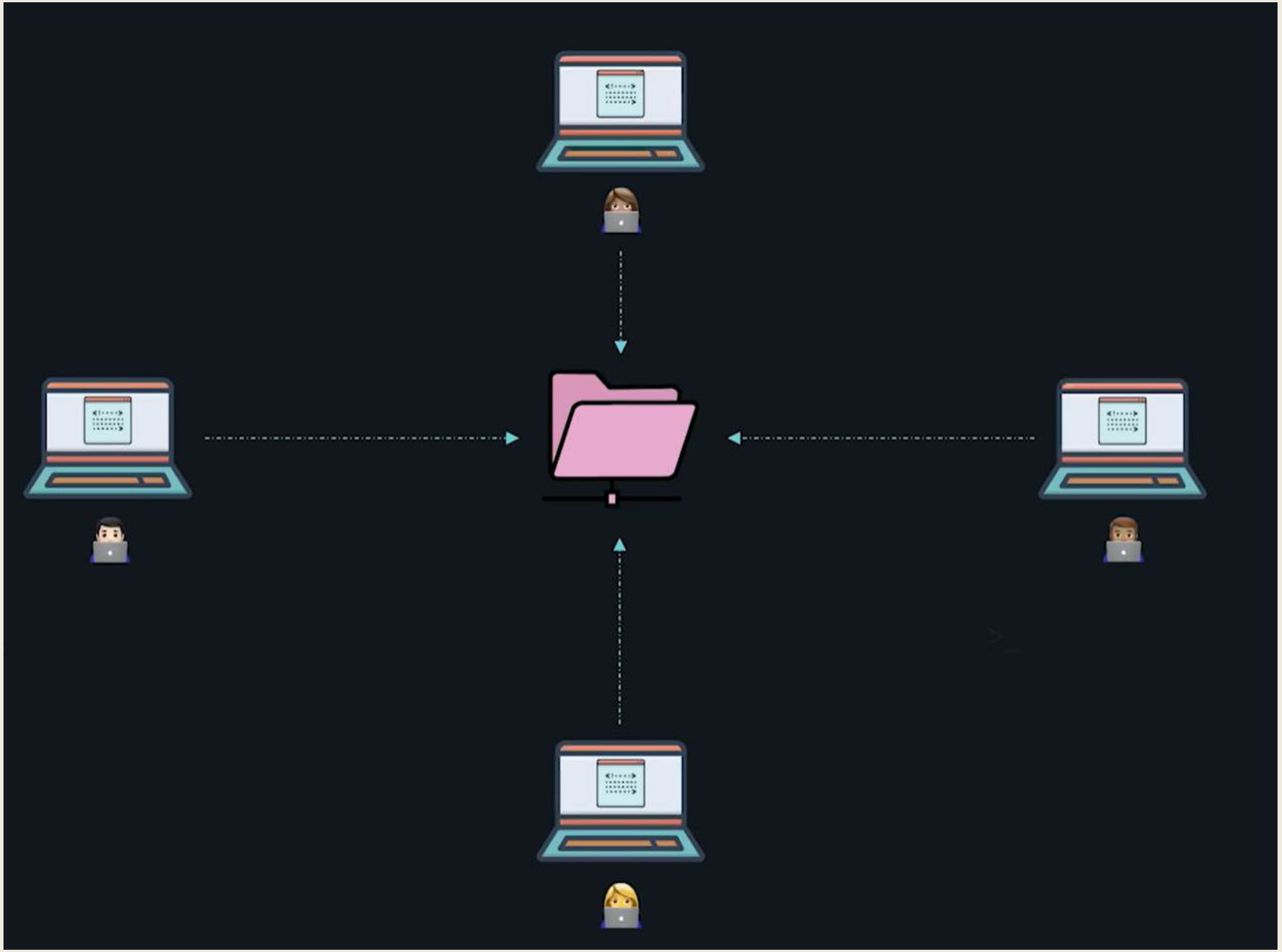
```
$ ./build.sh
```

```
$ ./app
```

1. Develop

2. Build

3. Deploy



Git

Github

Gitlab

Bitbucket

```
>_
$ git pull
```

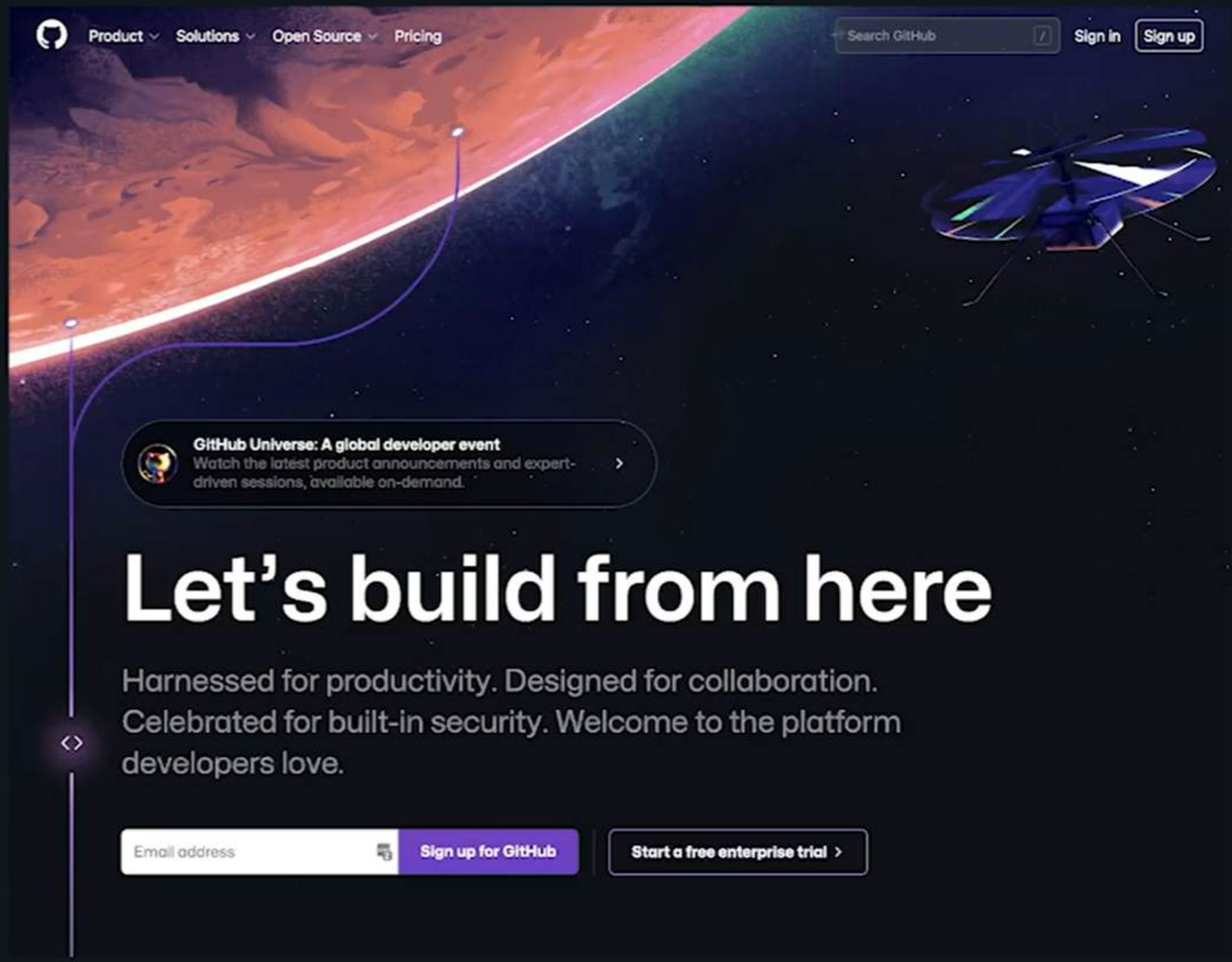
```
>_
$ git push
```

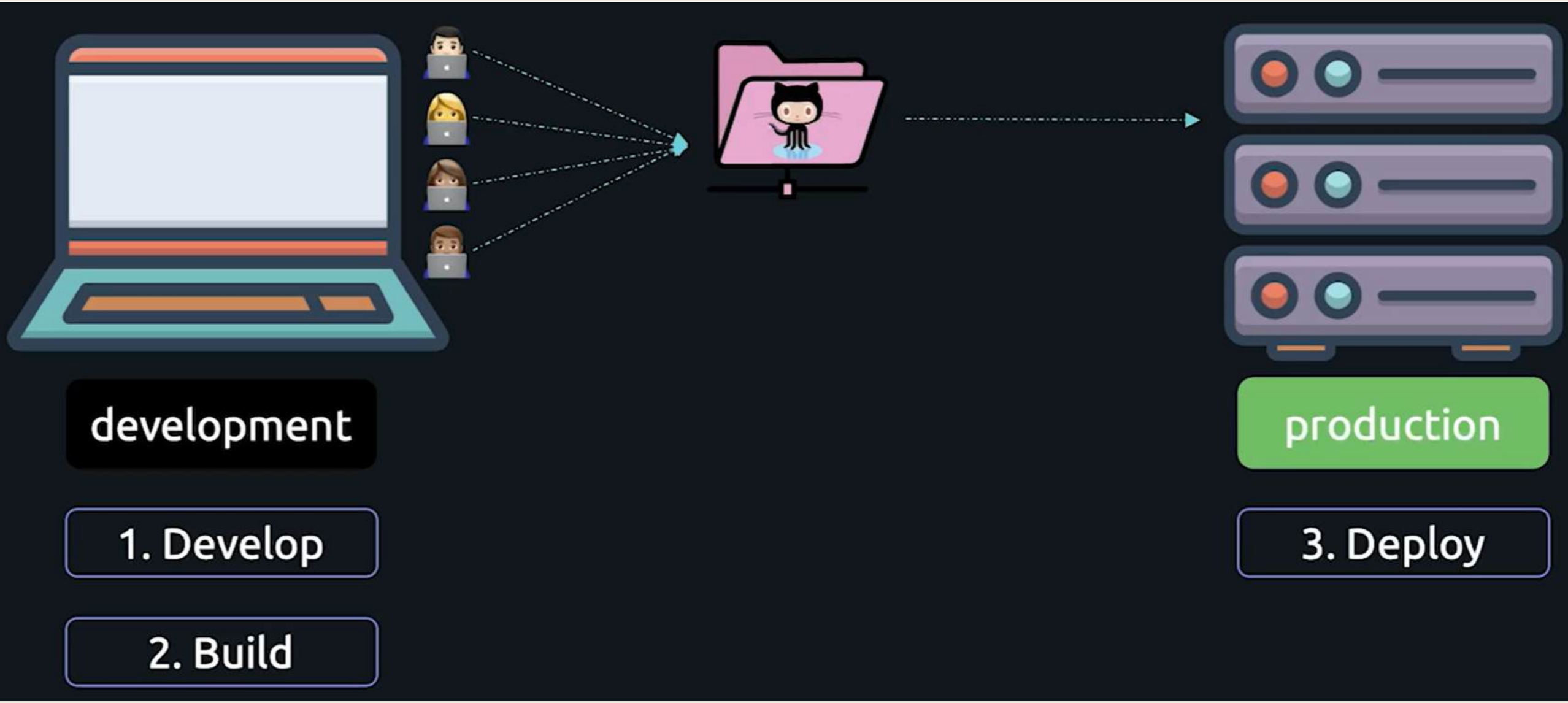
Git

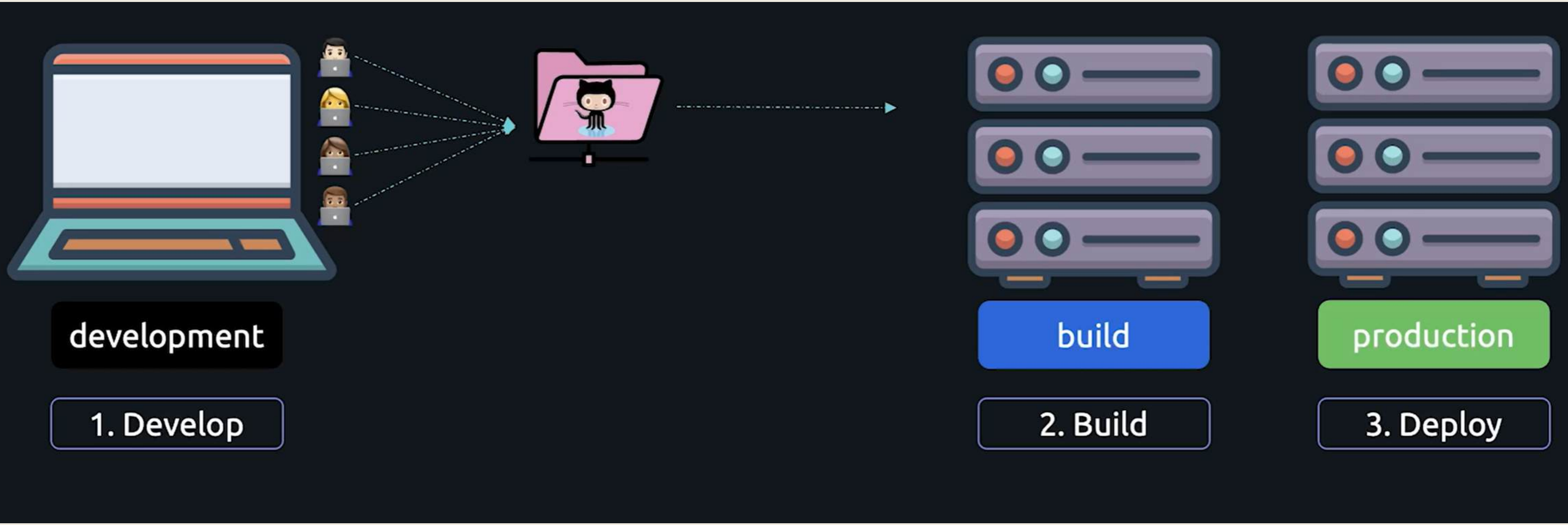
VS

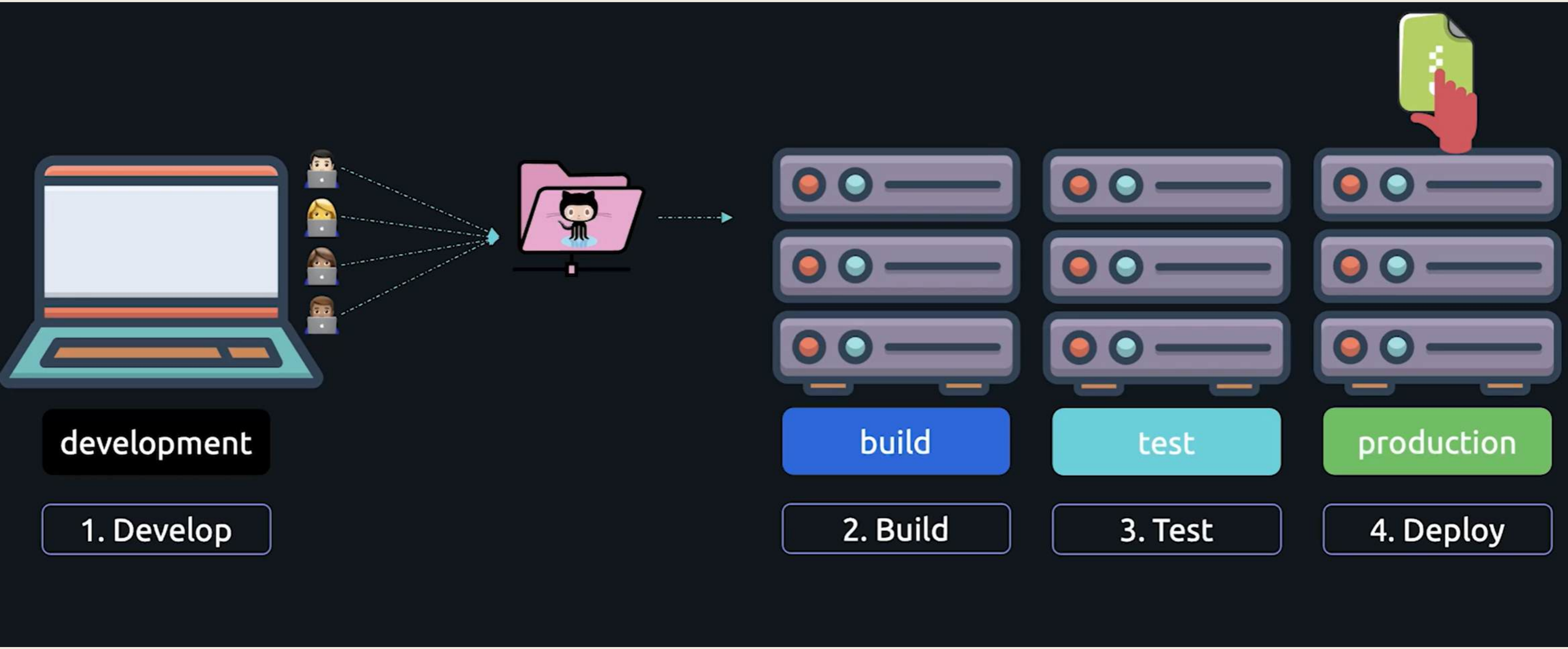
Github

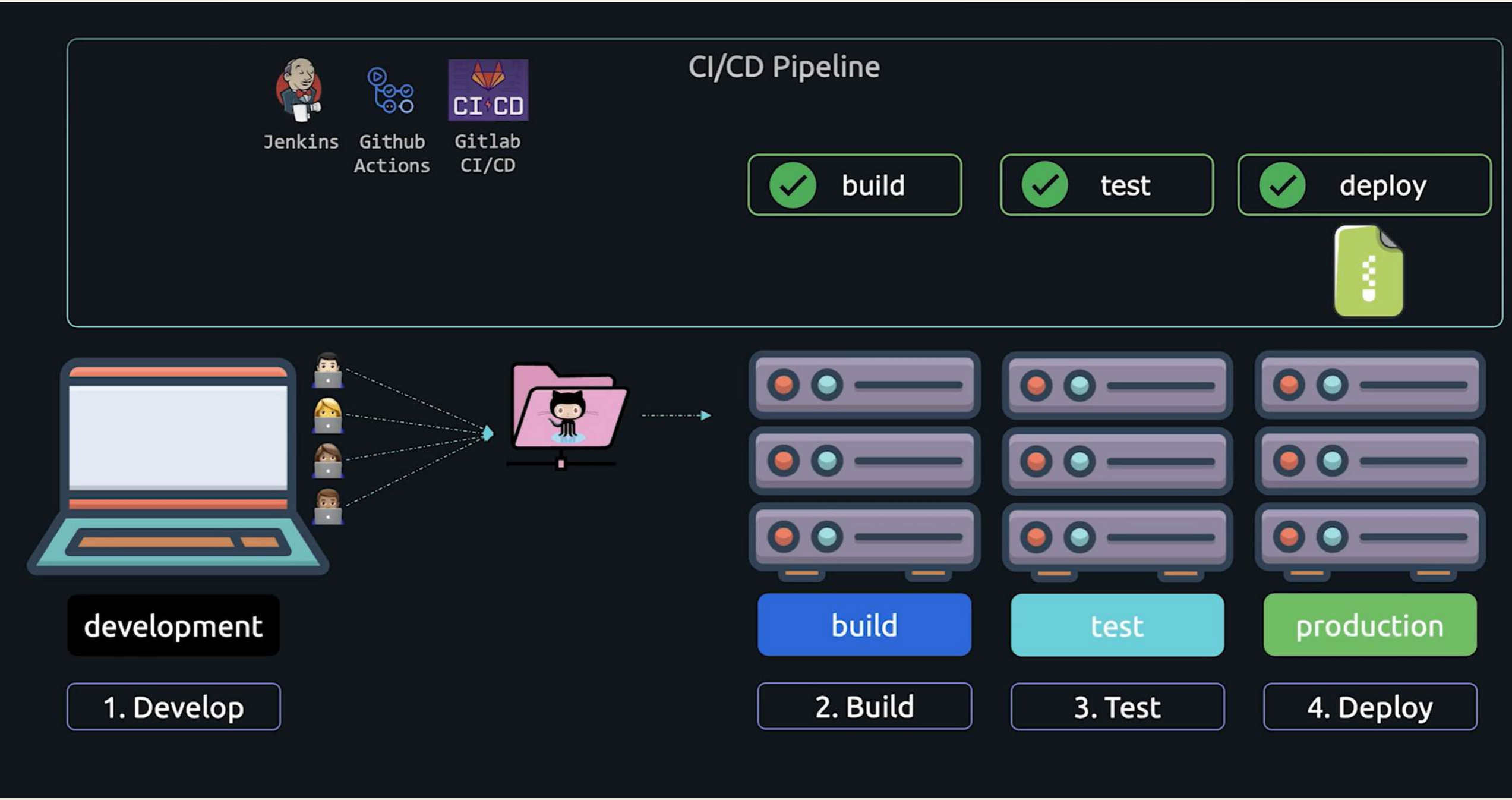
```
$ git pull
```



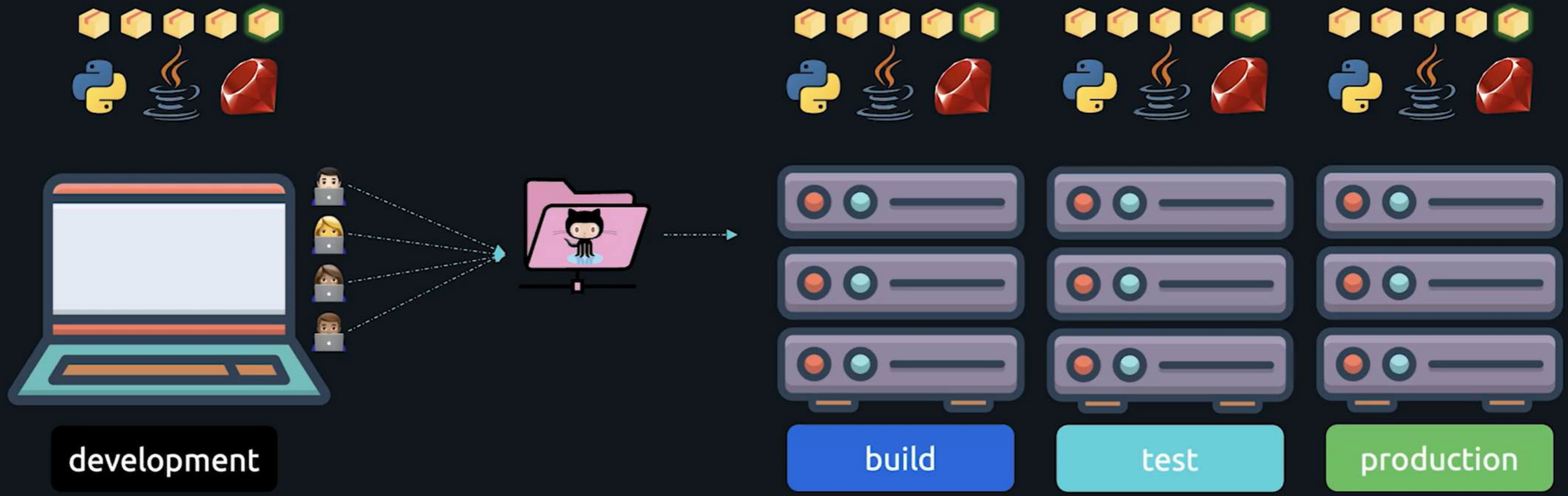

development
1. Develop
2. Build
production
3. Deploy

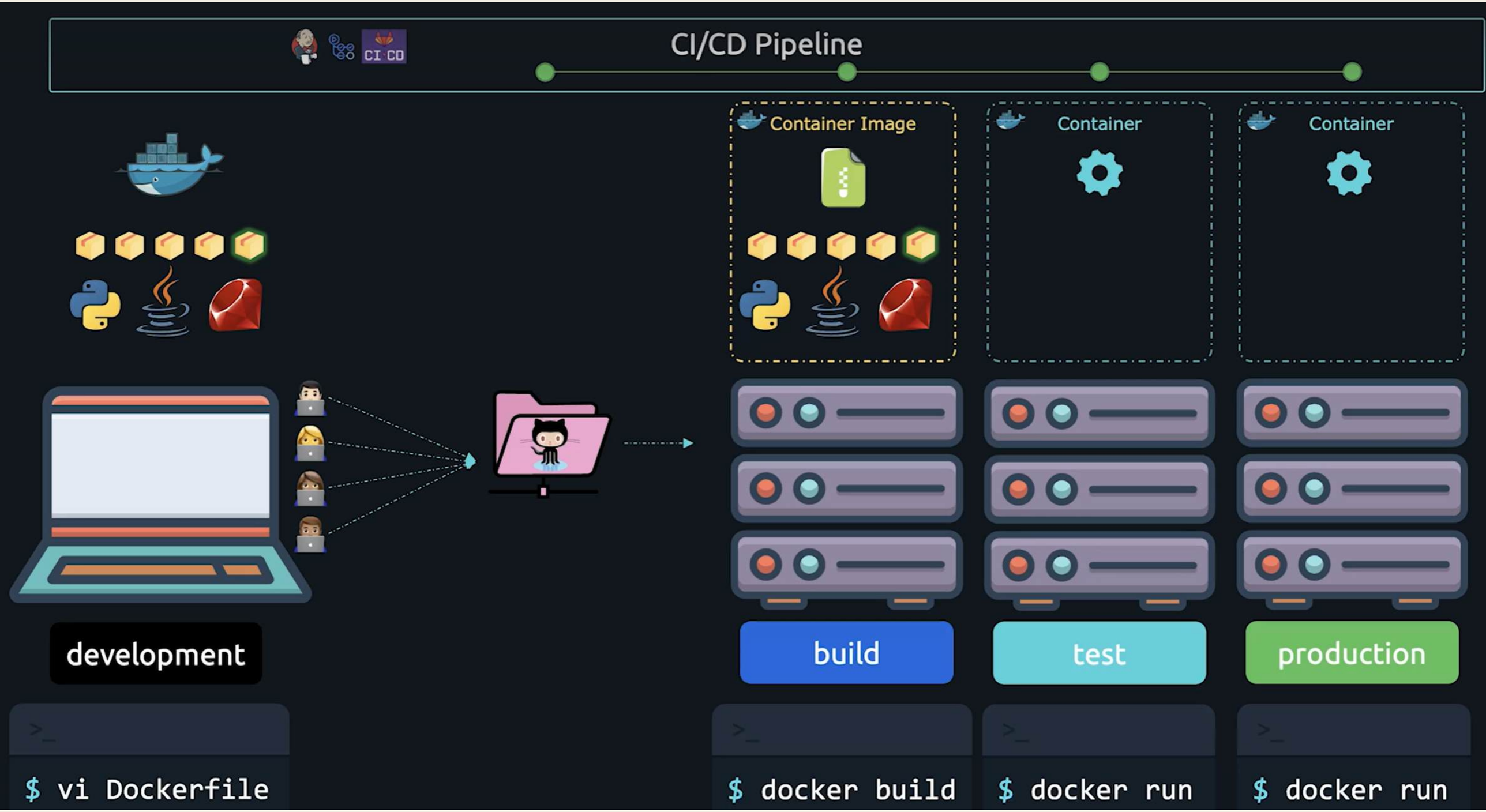

development
build
production
1. Develop
2. Build
3. Deploy

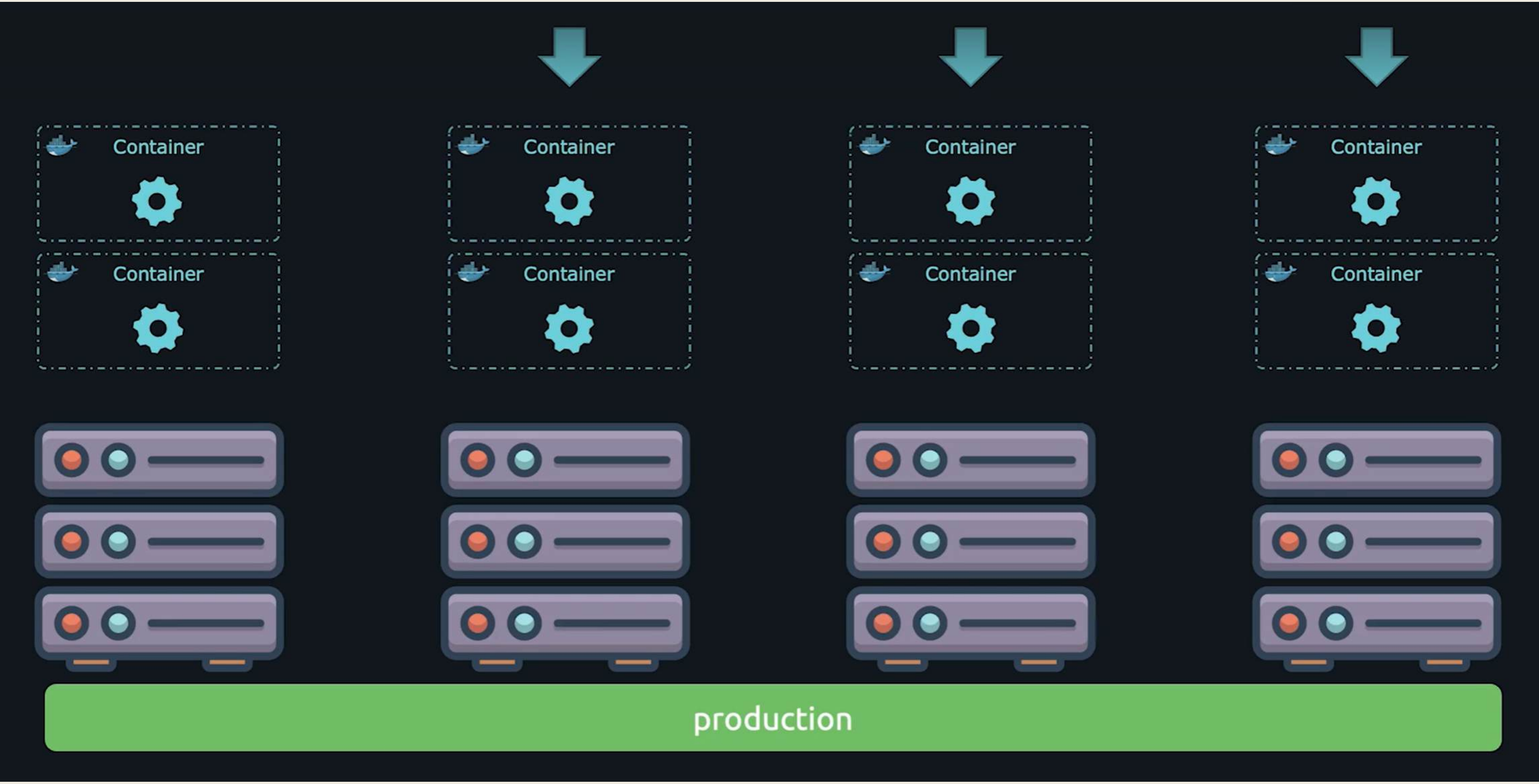

development
build
test
production
1. Develop
2. Build
3. Test
4. Deploy

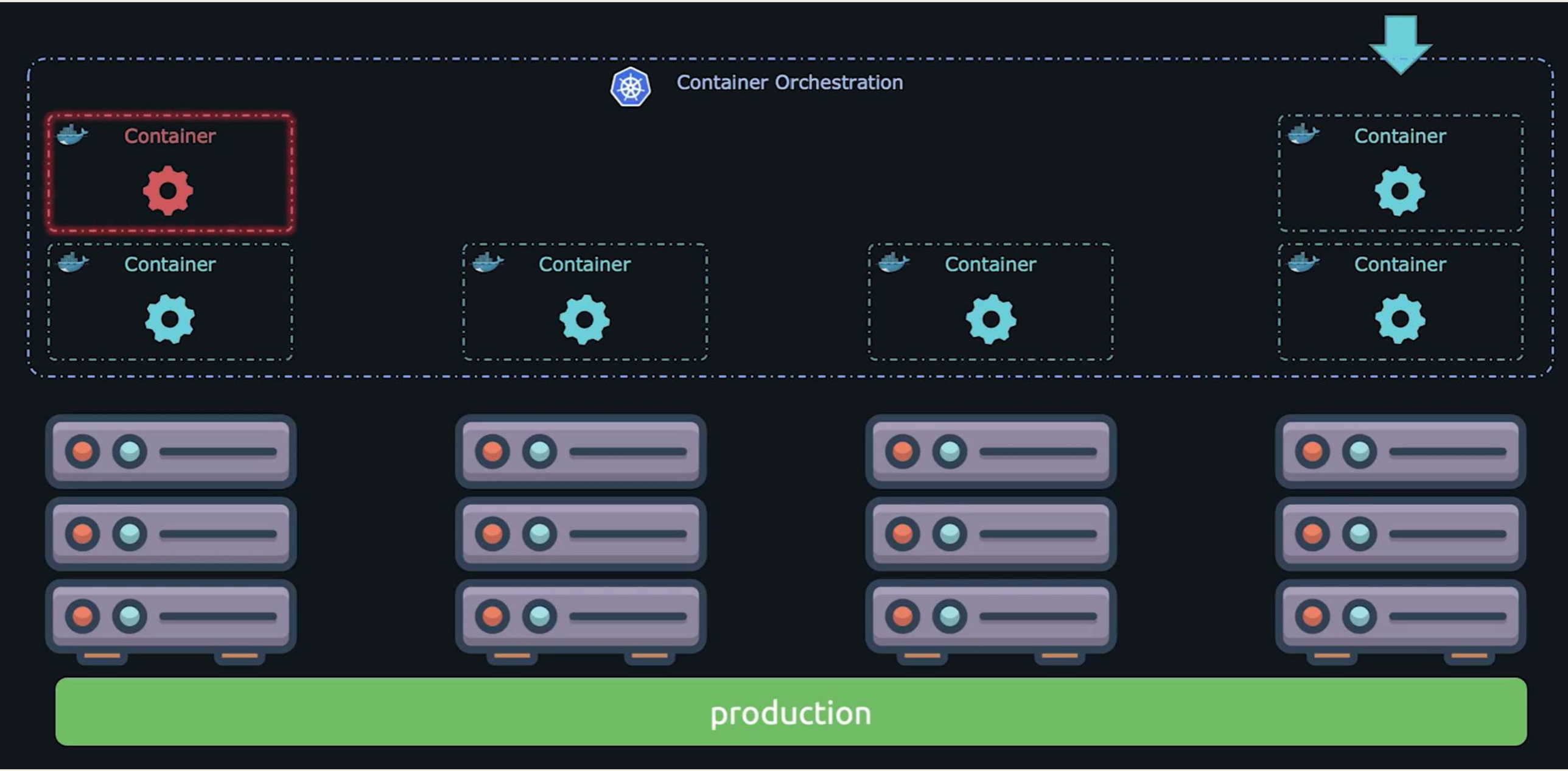

CI/CD Pipeline
Jenkins
Github Actions
Gitlab CI/CD
CI CD
build
test
deploy
development
build
test
production
1. Develop
2. Build
3. Test
4. Deploy

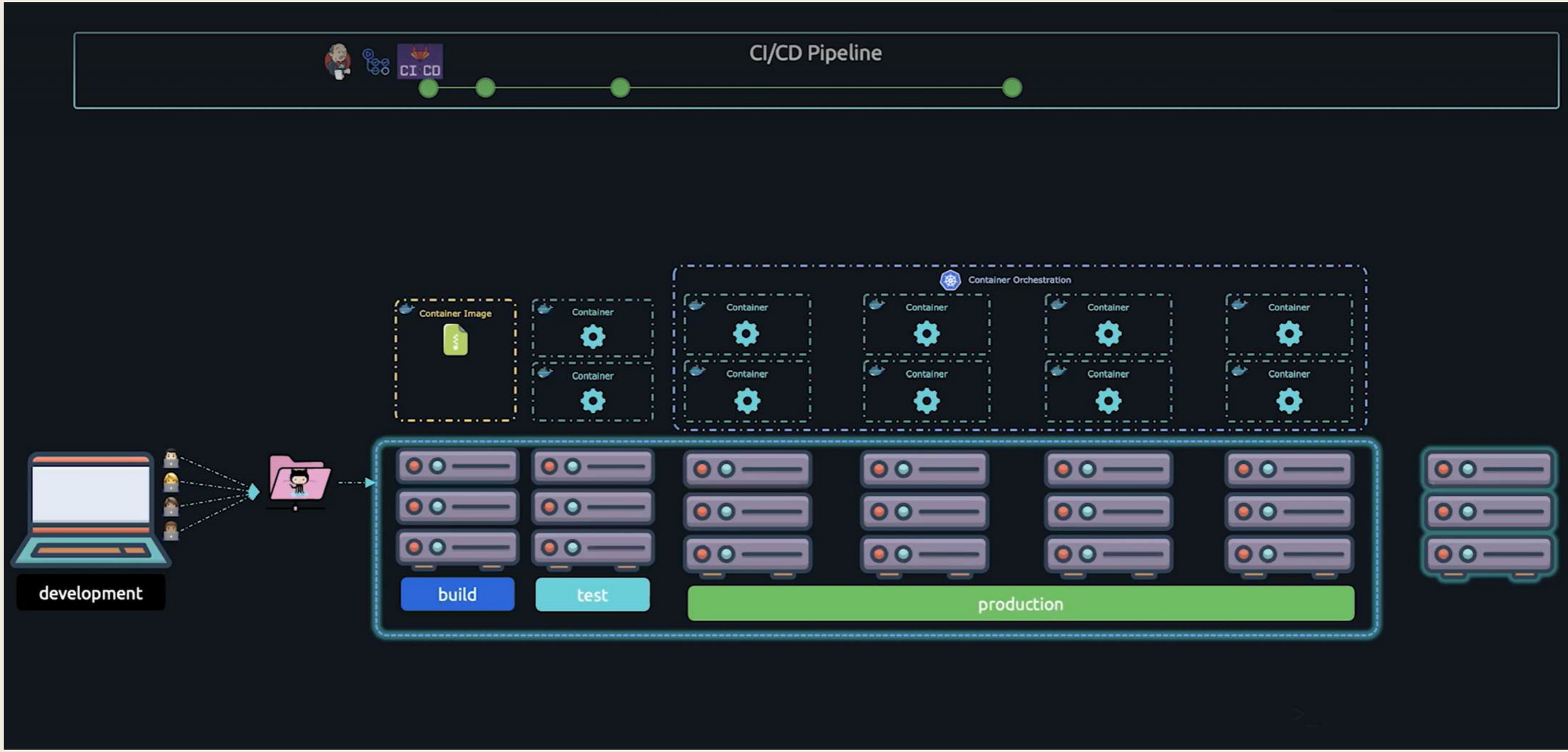
CI/CD Pipeline




CI/CD Pipeline
Container Image
Container
Container
development
build
test
production
$ vi Dockerfile
$ docker build
$ docker run
$ docker run


Container
Container
Container
Container
Container
Container
Container
Container
production


Container Orchestration
Container
Container
Container
Container
Container
Container
production


CI/CD Pipeline
CI CD
Container Orchestration
Container Image
Container
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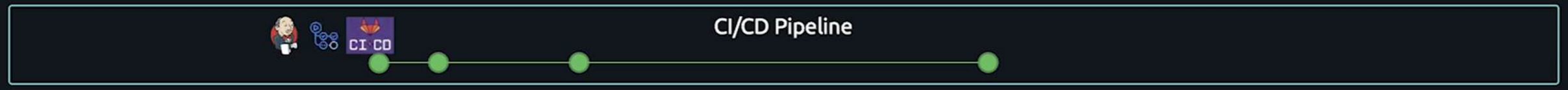
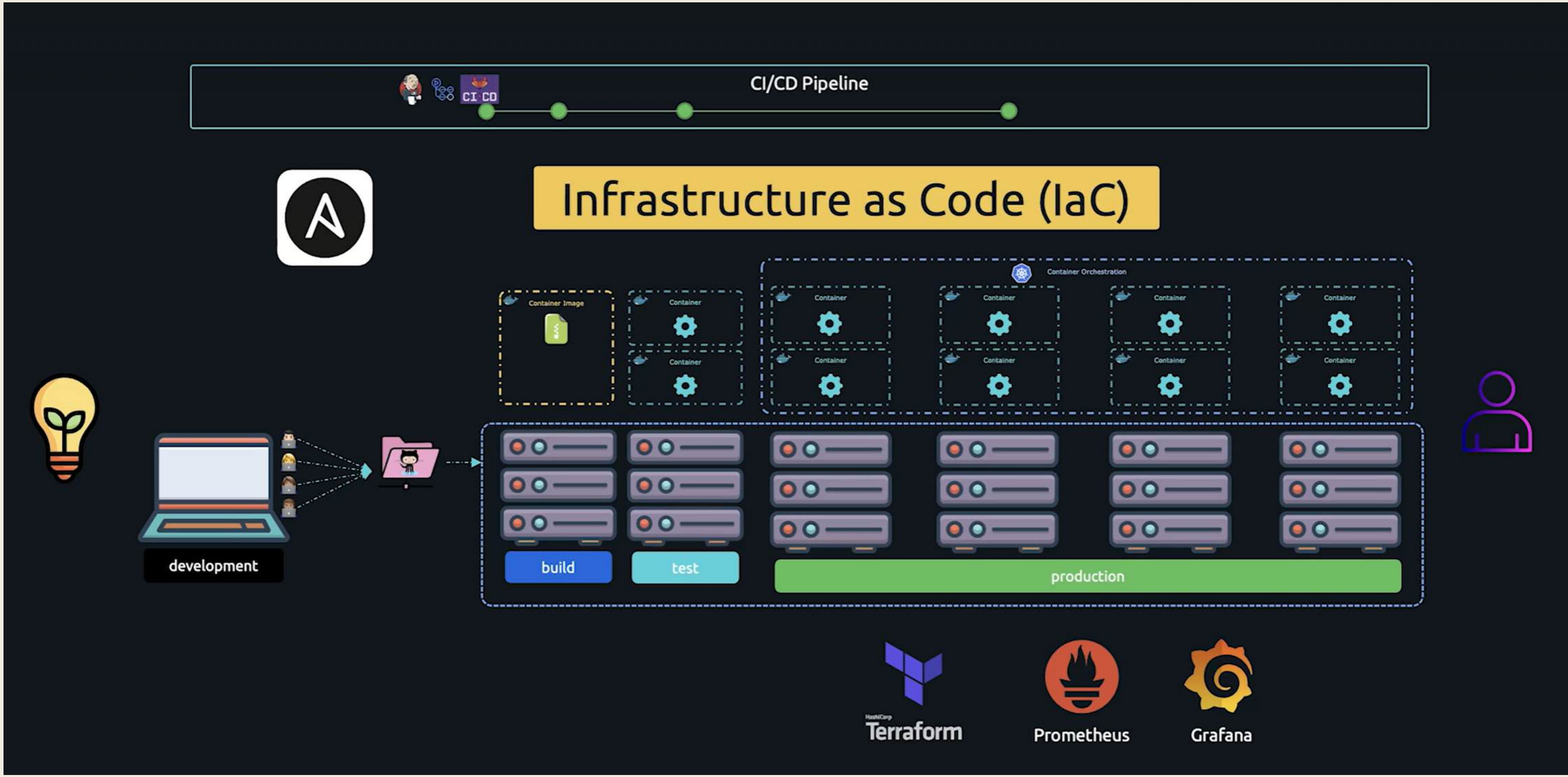
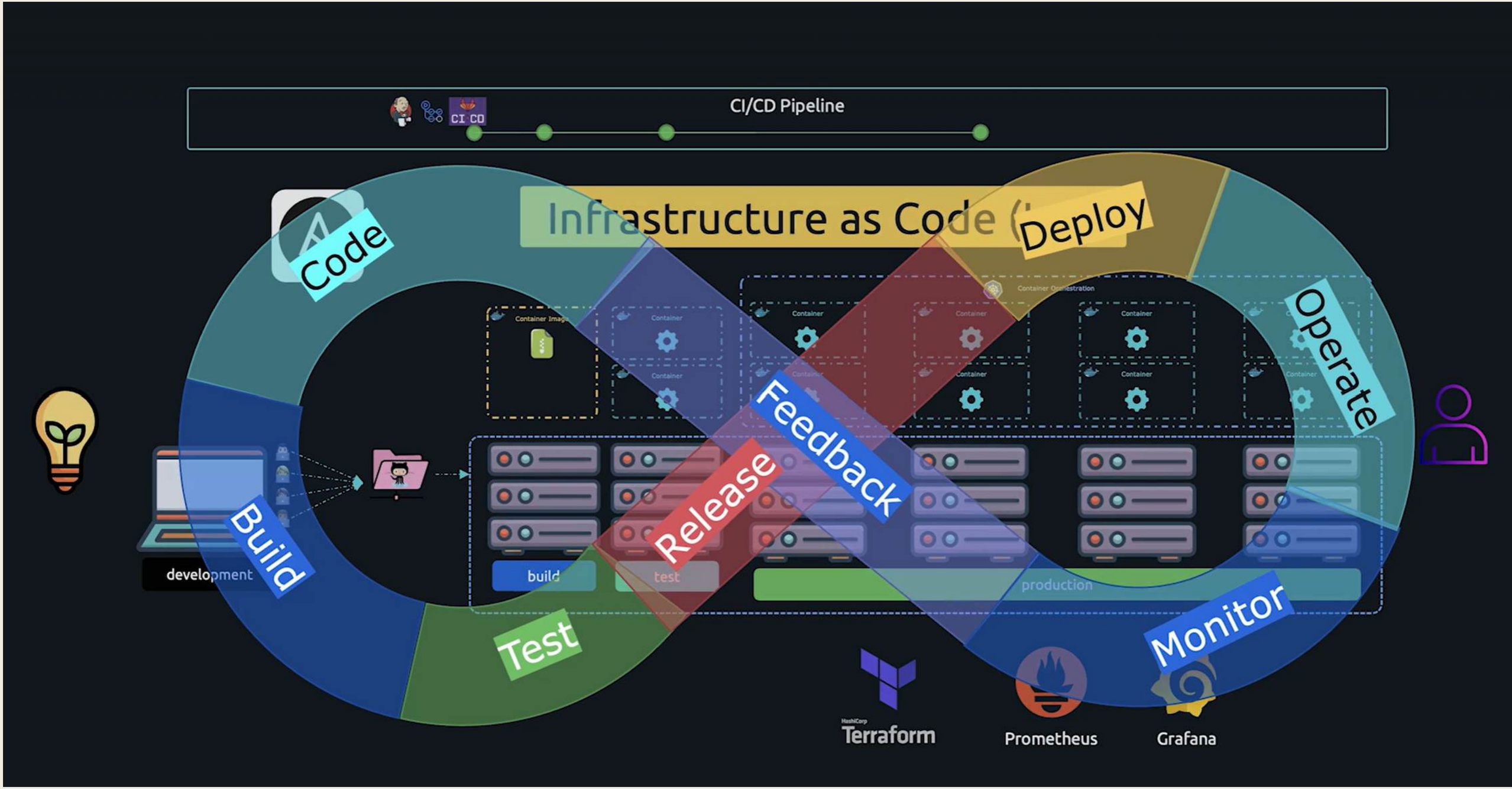
Container
Container
Container
Container
Container
development
build
test
production



Infrastructure as Code (IaC)

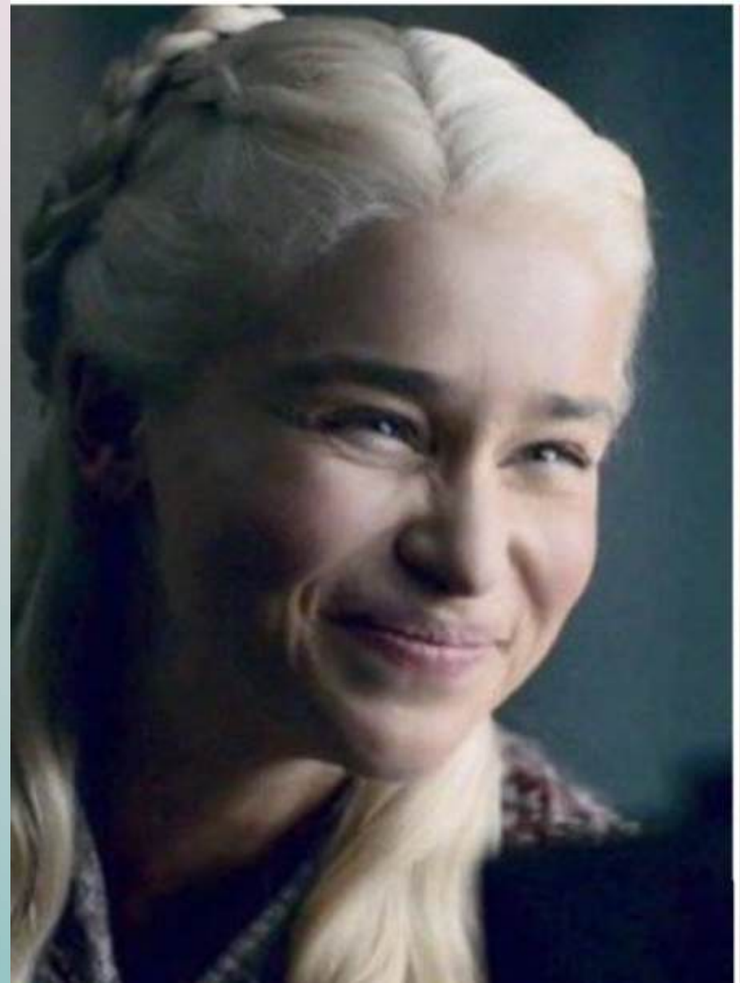
HashiCorp Terraform


CI/CD Pipeline
CI CD
Infrastructure as Code (IaC)
Container Orchestration
Container Image
Container
development
build
test
production
HashiCorp
Terraform
Prometheus
Grafana


CI/CD Pipeline
CI CD
Infrastructure as Code (
Code
Build
Test
Release
Feedback
Deploy
Operate
Monitor
DO
Container Image
Container
Container Orchestration
development
build
test
production
HashiCorp
Terraform
Prometheus
Grafana

WORKED FINE IN DEV
OPS PROBLEM NOW

It works on
my computer



But we are not
going to give
your computer to
the client

Why should we learn DevOps?

Better Job/Internship Opportunities

Higher Salaries

Make Software Faster

No More Boring Tasks

Work with Cool Tools

Learn Teamwork

Fix Problems Faster

Keep Learning

Help to Protect Stuff

Job Security

When I open terminal in front of non IT people
Will you please listen? I'm not a hacker.

*Non IT people
He is the hacker!

'GLASSDOOR' Community Jobs Companies Salaries For Employers

Devops Engineer Salaries

Overview **Salaries** Interviews Insights Career Path

Devops Engineer Salaries in India

Updated 19 Aug 2023

Very High Confidence

₹8,30,000 /yr

Average Base Pay

7,584 salaries

'GLASSDOOR' Community Jobs Companies Salaries

Software Engineer Salaries in India

Updated 19 Aug 2023

Very High Confidence

₹7,85,000 /yr

Average Base Pay

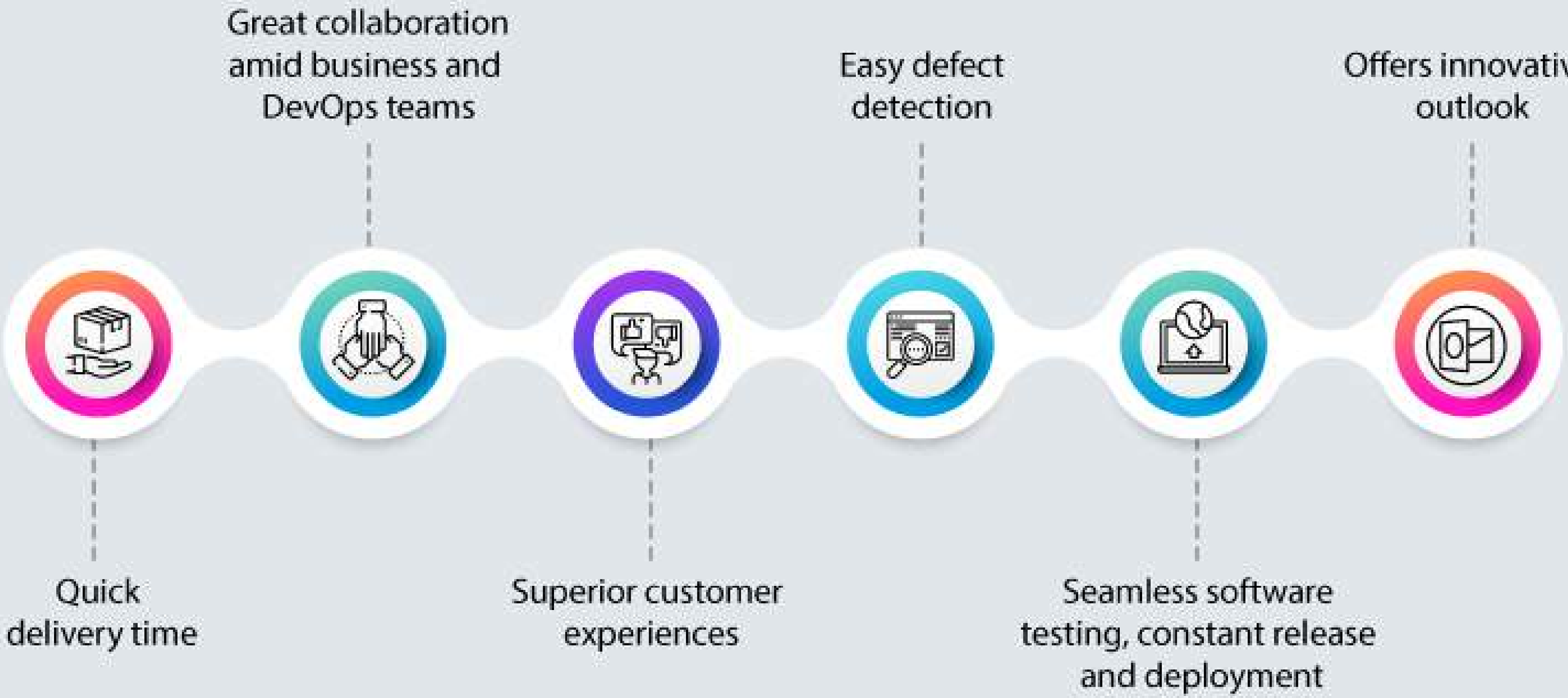
2,28,701 salaries

Additional Cash Compensation

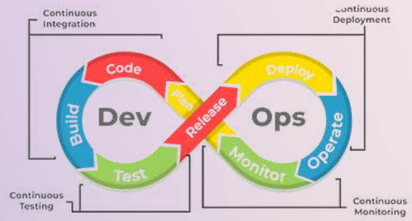
Average: **₹85,000** Range: ₹14,100 - ₹2,65,000

Time for DevOps

Benefits of DevOps?



Syllabus: Course Module



Introduction to DevOps

Linux for DevOps

Git & Version Control

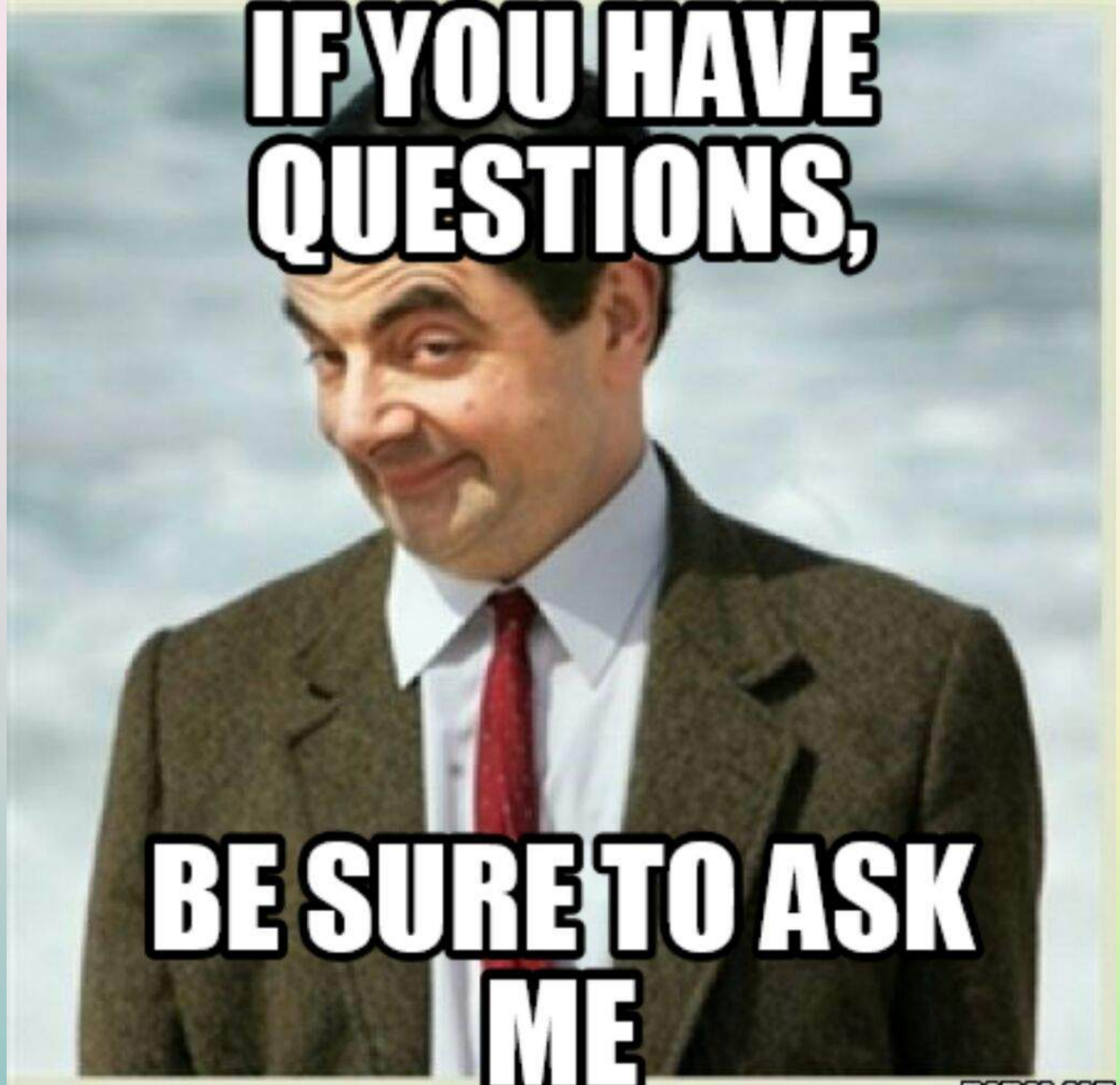
CI/CD with Jenkins

Docker & Kubernetes

Terraform & AWS

Monitoring

Final DevOps Project


IF YOU HAVE QUESTIONS,
BE SURE TO ASK ME