

TCW

THE CLOUDOPS  
WIZARDS

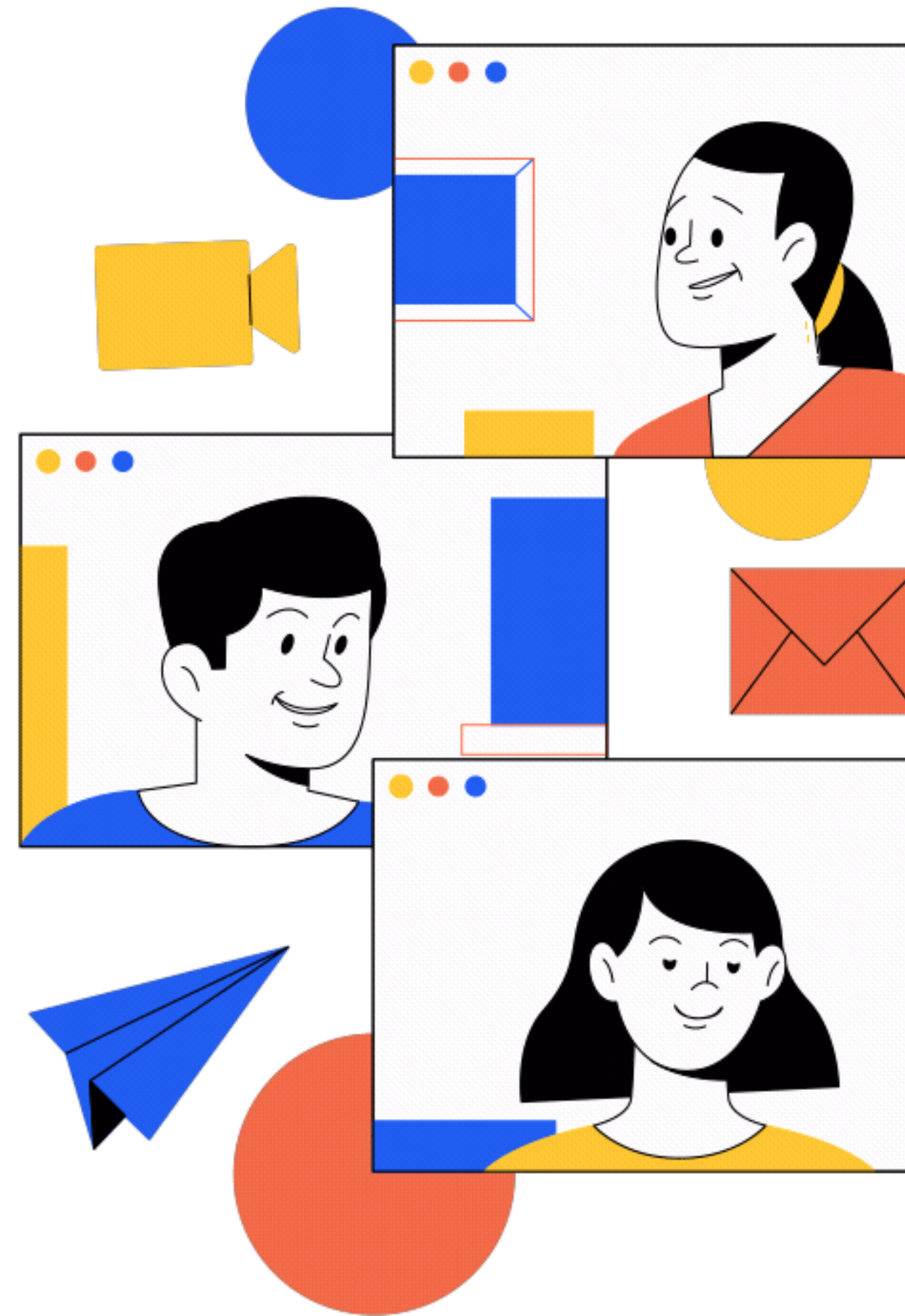
# #10weeksofCloudOps

## Week #6

Learn, share and grow together as a community!

Weekly live sessions on Discord.

 Anyone can join, no fees/cost



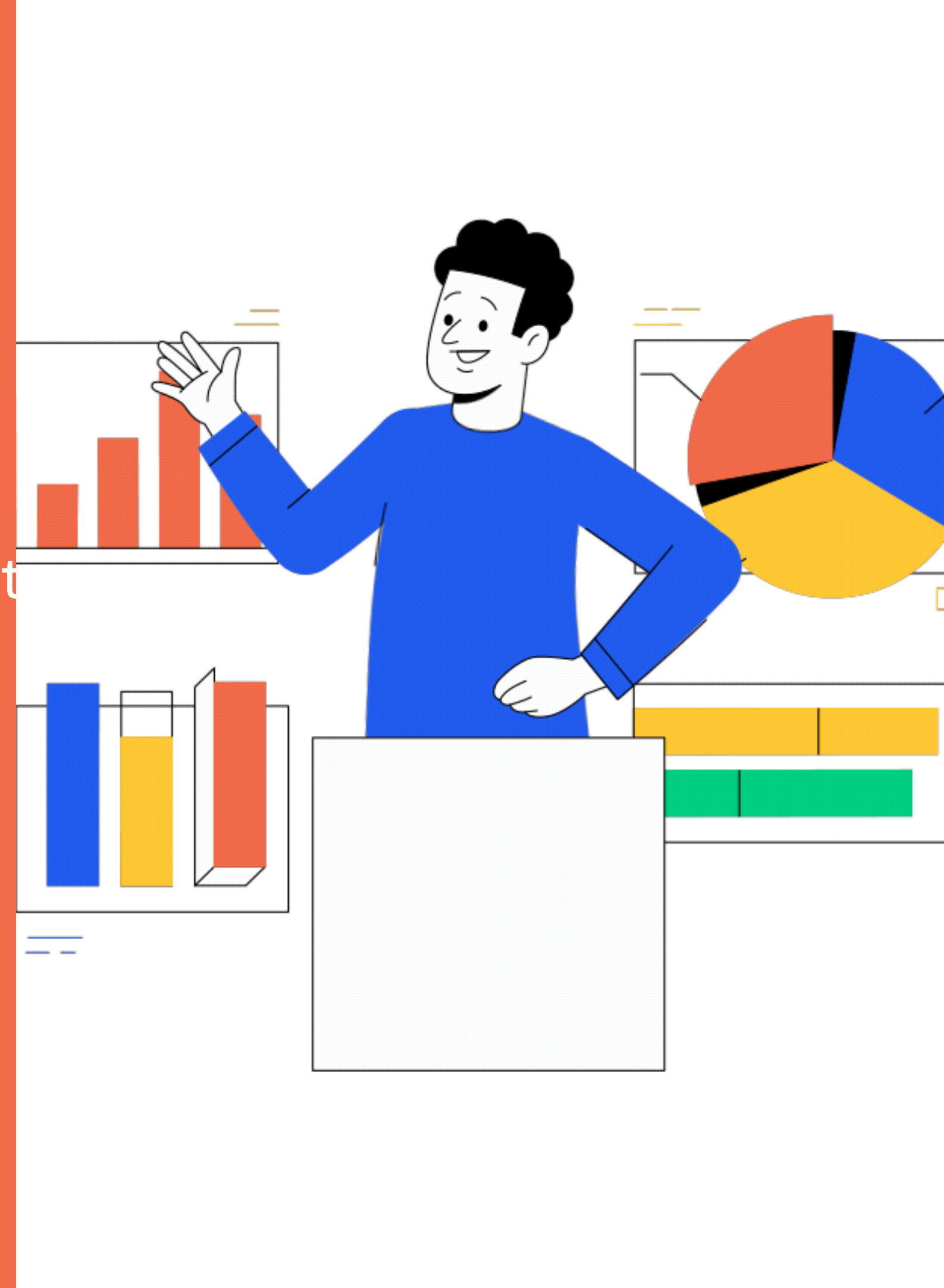
# #Week5 Challenge

## Implement Monitoring, Alerting, and Logging on Kubernetes.

- Leverage open-source tools Prometheus/Grafana/ELK.
- Create a custom monitoring dashboard that includes CPU, memory, disk, error codes.
- Create at least 2 metrics alerts and 2 log-based alerts
- Stream your logs to ELK.

### Deliverables:

- Blog and LinkedIn/Twitter posts.
- Architectural diagram.
- Github repo with code and readme file.



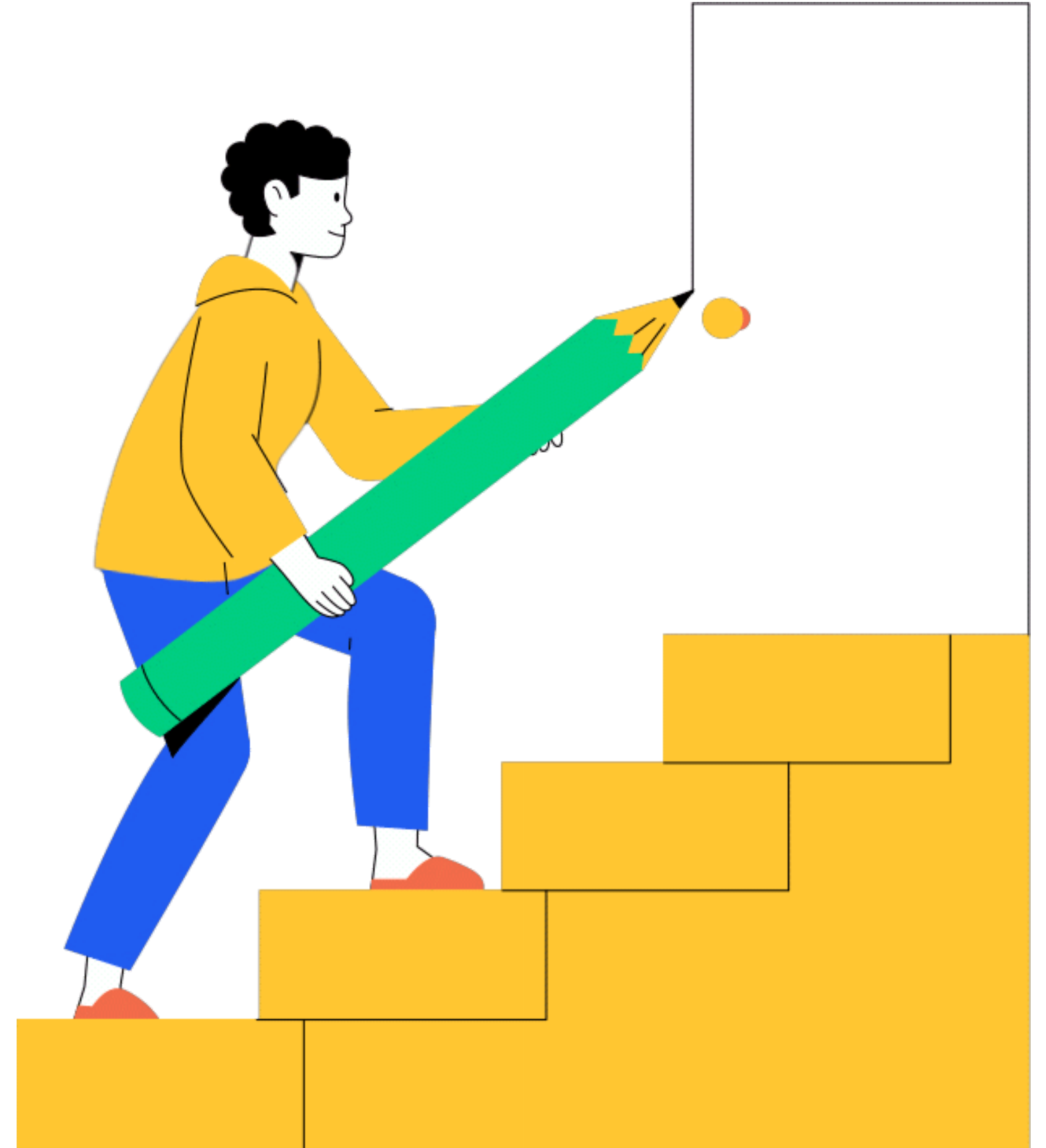
# Went well!

Explored Grafana and Prometheus  
in-depth

Blogs were well crafted with details

Added Screenshots and other  
relevant details

Diagrams were good



# Can be done better!



- **Infra setup/pre-requisite missing**
- **Alerts were not set**
- **Not a lot of submissions**



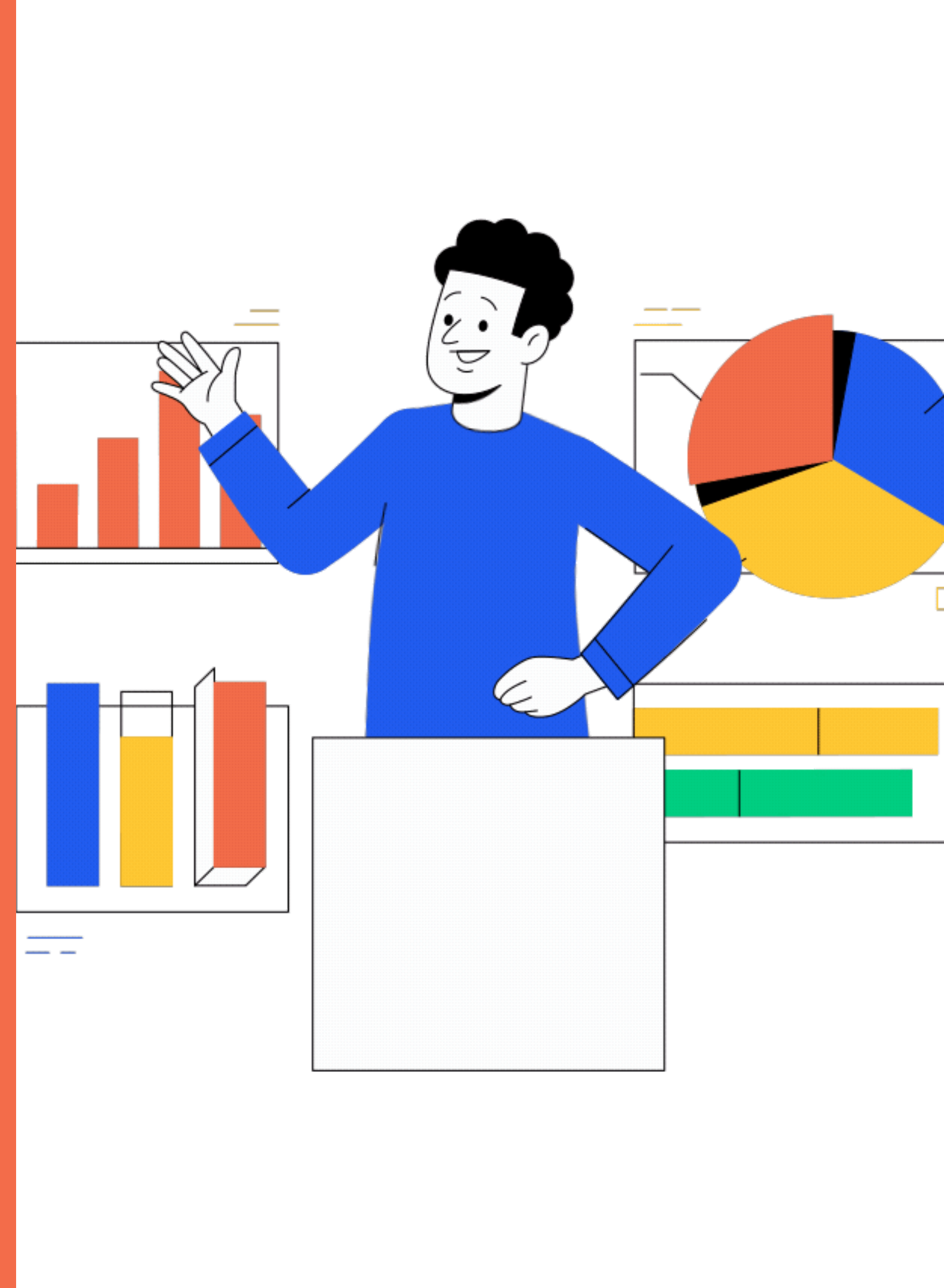
# #Week6 Challenge

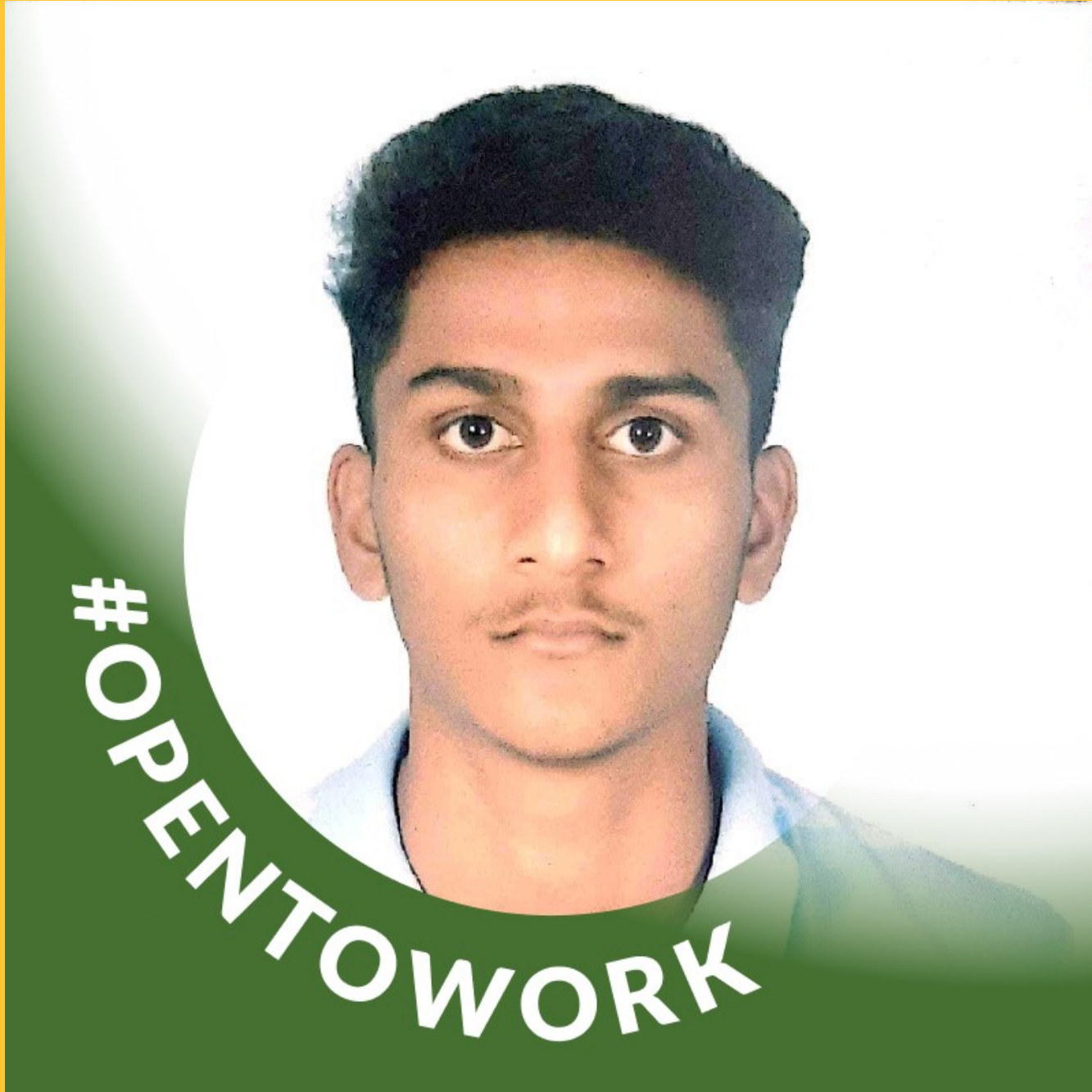
## Ansible

- write ansible playbooks to install nginx and host an application on multiple servers, application deployment.
- Write Ansible roles to provision a production-ready MongoDB cluster
- Use CI/CD Pipeline to execute the playbooks
- Security and best practices should be kept in mind.

## Deliverables:

- Blog and LinkedIn/Twitter posts.
- Architectural diagram.
- Github repo with code and readme file.





## WEEK #5 WINNER

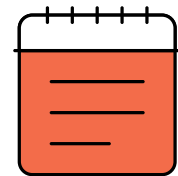
[HTTPS://DEVO.HASHNODE.DEV/COMPREHENSIVE-AWS-EKS-CLUSTER-MONITORING-WITH-PROMETHEUS-GRAFANAAND-EFK-STACK-10WEEKSOFCLOUDOPS](https://devo.hashnode.dev/comprehensive-aws-eks-cluster-monitoring-with-prometheus-grafana-and-efk-stack-10-weeks-of-cloudops)

**MALLIKARJUN G**

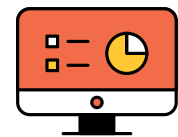
# Steps to Participate



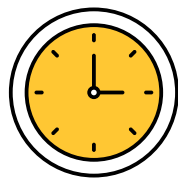
Cool gifts for  
winners after  
10th  
challenge



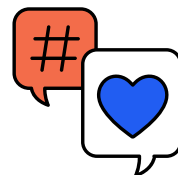
Register for the challenge if you haven't.



Build the End to End project and publish it on blogs or GitHub repo



Complete the submission before Thursday EOD so that we can review it on Friday before our next Saturday session.



Promote your Blogs/Github on LinkedIn/Twitter, mention me(Piyush Sachdeva) and the #10weeksofcloudops challenge



Submission must be done individually and on a public GitHub Repo

# Useful Documentations

- Will share in Discord chat





# Thank you!

Join our Discord community:  
<https://discord.com/invite/TNCs4BRzq8>

**Feel free to reach out for any queries:**

**Linkedin:** piyush-sachdeva

**Youtube:** @TechTutorialsWithPiyush

**Twitter:** techie\_piyush