Kubernetes Acceleration Lab – DevOps

Accelerate the cloud native journey by mastering Kubernetes and adopting DevOps approach.

This program enables Dev, Ops teams and SRE's to understand the core competencies of Kubernetes & DevOps through well designed lectures and hands-on lab exercises.

The program starts with the basics of containers and gradually deep-dives into the integral concepts of Kubernetes.You will be learning the various competency domains of Kubernetes, gearing up with the right toolkit to solve complex production use-cases.

When the instructor kicks off a particular lab, you can use the below links to navigate to the corresponding lab to complete the hands-on exercise.

Labs

1. Dockerize an application
2. Kubernetes - Deploy Application workloads
3. Pods
4. Multi Container Pods
5. Pod Design
6. Configmaps & Secrets
7. Jobs & CronJobs
8. Resource Quotas
9. Design your deployment
   a. Category Microservice
   b. Pages Microservice
10. Helmify
11. Helmify 2 tier microservice application
12. Reusable Helm Charts using Helm Templates
13. Refactoring - Best practices
14. Sharing Chart Data
15. Automated Deployments
16. Automated Testing
17. Publish Helm Charts to Local Chart Repository
18. Publish Helm Charts to Public Chart Repository