**Docker-Kubernetes Training**

**Learn How To Build, Deploy, Run and Scale Containers**

**Day 1**

**Docker**

1. Overview of Docker
2. Images & Containers
3. Docker Compose
4. Dockerize a Multi-Tier App
5. Portainer – Container UI Visualizer

**Day 2**

**Deploy Containers Using Pipeline in Jenkins**

1. Overview of Jenkins Pipelines
2. Deploy Docker Containers Through Pipeline
3. Load Testing Through JMeter for Multi-Tier Dockerized App

**Kubernetes Overview**

1. Overview of Kubernetes Environment
   1. Pods
   2. Nodes
   3. Installation
   4. Networking
   5. Apps

**Day 3**

**Deploy, Run & Scale Containers in Kubernetes**

1. Deploy Dockerized App in this Cluster
2. Expose Multi-Tier Dockerized App to Public
3. Scaling Multi-Tier Dockerized App Through JMeter
4. Updating Multi-Tier Dockerized App
5. Monitor Multi-Tier Dockerized App in Kubernetes