#KubernetesIn30Days Challenge by Rajasekhar Betha

Here you my 30 Days Detailed Schedule and respective quick post links on LinkedIn.

S.NO	Day	Topics Covered	LinkedIn Links
1	Day 1	Introduction to Kubernetes, why, what and how	Day 1
2	Day 2	Complete Kubernetes Architecture	Day 2
3	Day 3	Minikube Installation and setup on Windows	Day 3
4	Day 4	Types of Kubernetes Objects and Examples	Day 4
5	Day 5	NamesSpaces, Ingress, Jobs & Cron Jobs, DaemonSet, StatefulSet, Kubeconfig File	Day 5
6	Day 6	Test Deployment on Minikube Cluster – POD, Deployment	Day 6
7	Day 7	Service and Various Types of Services in K8s Cluster	Day 7
8	Day 8	ReplicaSet and Deployment Objects in K8s	Day 8
9	Day 9	Usage of commands and Arguments in K8s and Types of Volumes that supports K8s	Day 9
10	Day 10	Understanding the importance of ConfigMap and Secrets	Day 10
11	Day 11	Importance of Ingress, Ingress controller and Demo on Ingress	Day 11
12	Day 12	RBAC importance in Kubernetes and Usage of RBAC in K8s	Day 12
13	Day 13	Custom Resources concept in K8s	Day 13
14	Day 14	kubectl Cheat Sheet and important commands	Day 14
15	Day 15	POD's Lifecycle, Container States and Types of Probes	Day 15
16	Day 16	Different levels of logging in and Troubleshooting a POD	Day 16
17	Day 17	PROJECT – 1: Realtime Hands-on on ConfigMap and Secrets	Day 17
18	Day 18	PROJECT – 2: Realtime Hands-on on Prometheus and Grafana in Kubernetes Cluster	Day 18
19	Day 19	PROJECT – 3: Realtime Hands-on on Setting up the K8s Cluster using KOps on AWS.	Day 19
20	Day 20	PROJECT – 4: Deploying 2048 Game on AWS using EKS (Accessing the game using HTTPS Protocol)	Day 20
21	Day 21	PROJECT – 5: Ultimate CICD Pipeline using Jenkins, SonarQube, Docker, ArgoCD, Kuberenetes using GitOps Principles.	Day 21
22	Day 22	Helm Charts – A Packaging Manager for K8s and Demo on Helm Chart	Day 22
23	Day 23	Kubernetes Operators	Day 23
24	Day 24 – Day 30	Kubernetes Basic to Advanced Technical and Scenario based Question and Answers.	Day 24 Day 25 Day 26 Day 27 Day 28 Day 29 Day 30

For the content I have referred multiple sources like K8s documentation, Udemy course, some articles/blogs and Abhishek Veeramalla YouTube channel such great knowledge treasure.

Abhishek Veeramalla YouTube

Udemy Course

Kubernetes Official Documentation

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