develeap.

DevOPS Syllabus V3.1

Chapter 1: Bash
Ability to write effective scripts, handle text processing and manage errors
Chapter 2: VCS & Git
Ability to setup, manage and use git. Understanding of basic branching strategies.
Chapter 3: Docker
Ability to dockerize applications in an effective manner
Chapter 4: Python
Ability to write python scripts, implement REST services and function in a development team
Chapter 5: Networks, Application topologies, Docker compose
Ability to implement popular runtime topologies using docker
Chapter 6: AWS Basics
Ability to configure secure networks and use central AWS services
Chapter 7: Jenkins, CI Pipelines
Ability to install, configure and use Jenkins to implement CI pipelines, Multi branch pipelines and advanced CI/CD patterns emplying groovy and cloud
Chapter 8: Infrastructure as Code
Using Terraform to provision cloud resources and manage environments
Chapter 9: Kubernetes and Helm
Ability to setup and configure K8S clusters Ability to deploy both stateless and stateful application topologies over K8S cluster
Chapter 10: GitOps
Ability to implement the GitOps pattern as part of an overall CI/CD process involving Jenkins and FluxCD
Chapter 11: Logging and Monitoring
Ability to setup and configure monitoring and alerting using ELK, Prometheus and Grafana
Chapter 12: Certification
Obtaining an official certificate (either CKA or AWS CSAA)