**What you need to learn?**

* **OS (Operating System)**:

*Linux (preferred)*: Basic Linux Administration. A few example commands: mkdir, cp, mv, top, grep, rm, “free -m”. lscpu etc. Linux boot process, shell basics, processes, services, LVMs, etc

* **Basics of: Storage, Networking, and Security:**

**Storage:** HDD, SSD, Interfaces, NAS & SAN, RAID etc

**Network & Security:** IP, Protocols, DNS, Firewall, LAN, WAN, Router, Switch, OSI model, Port etc

* **BASH/python scripting** – only basics
* **One Cloud platform**: AWS or Azure or GCP
* If you choose AWS as I did then learn core services first: IAM, EC2, S3, VPC, ELB, ASG, EBS volumes, RDS, CloudWatch, CloudTrail, Route53, SNS, CloudFormation (IAAC), KMS, WAF

**DevOps Specific Managed AWS services (slightly expensive but less Administrative overhead)**: ECS, EKS, CodeCommit, CodeDeploy, CodeBuild, CodePipeline (CI/CD), CloudWatch (Monitoring)

**AWS EC2 Instances with open source apps (cost effective at times but more admin work)**:

**SCM**: GitLab, GitHub etc

**Container Runtime**: Docker, containerD etc.

**Container Orchestration**: Kubernetes via KOPS on EC2 instances, kubeadm for local test/dev setup

**CI/CD**: Jenkins

**IAAC**: Terraform (Cloud Platform Independent)

**Configuration Management**: Ansible

**Monitoring**: Prometheus and Grafana, ELK (Elasticsearch, Logstash, and Kibana) Stack etc

* Start with a FREE course always – Create an AWS account, use free-tier segment
* Go for a bestseller paid course – Please check reviews, should be 4.5\* and above
* Try to do some mini projects on DevOps
* Prepare interview questions/answers on google
* Look for some internships or projects even if you work for free – do it for a few months to gain practical experience.