Devops

Step 1

- Basic of linux
- Server Management in linux
- Vagrant
- Basic of Networking
- Vprofile Project Into and setup on VM

Step 2

- Cloud computing intro | AWS |IAM
- EC2 Instances, EBS Volume, ELB
- S3 CloudWatch
- RDS
- Autoscaling
- Route53
- Vprofile project setup on AWS Cloud

Step 3

- Git, Maven, Jenkins
- CI/CD pipeline
- Nexus
- SonarQube
- Jenkins Administration
- Pipeline as a code

Step 4

- Bash Scripting
- Python Programming

Step 5

- Ansible Introduction
- Ad hoc command
- Modules
- YAML Intro
- Playbooks
- Vars, condition, loops, handler, template
- Variables deep dive and roles
- Ansible for AWS

Step 6

- AWS, VPC in depth
- Log management and customs metrics
- CloudWatch
- AWS CLI and S3 CLI
- Beanstalk and RDS
- Vprofile on Beanstalk
- Code commit, Build and pipeline

Step 7a

- Docker Intro
- Understanding and implementing container
- Volume, network, logs
- Building image for vprofile project
- Docker image to run vprofile project multiple containers

Step 7b

- Kubernetes, setup for prod env
- Objects , pods, services, controllers, Deployment replication, Autoscaling, Resource quotas, secrets, configMap

Step 8

- Cloud Automation with terraform
- Cloud formation