**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