Day - 1

- What is DevOps Vs DevSecOps Vs SRE?
- Tool sets in DevOps Vs DevSecOps Vs SRE?
- Overview of infrastructure during SDLC?
- Problems with many infrastructure tools?
- Introducing Infrastructure as Code
- Declarative vs. Imperative
- Introduction of Terraform
- Advantage & Disadvantage of Terraform
- How Terraform works for Infrastructure as Code?
- Alternative of Terraform
- Terraform Use cases
- How to install Terraform?
- Introductions of Terraform Components?
  - – Terraform Providers
  - – Terraform Registry
  - – Terraform Resources
  - – Terraform Resources Argument Reference
- Deploying Your First Terraform Configuration

- Terraform Basics Workflow using Terraform CLI
  - – terraform validate
  - – terraform init
  - – terraform plan
  - – terraform apply
  - – terraform show
  - – terraform detroy
- Updating Your Configuration with More Resources
- Configuring a Resource after Creation
- Adding a New Provider to Your Configuration
- Understanding Terraform state file
- Terraform Resource Behavior & Lifecycle
- Understanding Terraform HCL syntax & Style
- Terraform Resources Meta-Argument
  - – depends_on
  - – count
  - – for_each
  - – provider
  - – lifecycle
- Using Terraform for Create Cloud Provider Compute Resources