

# DevOps Course Syllabus

## Price 5000/-

### INSTRUCTOR

Pinapathruni Saikiran

### PHONE

+91 9391598915

### EMAIL

Pinapathruni.saikiran@gmail.com

### TRAINING HOURS

Monday – Friday: 01 Hour

### COURSE OVERVIEW

Welcome to the DevOps Mastery Training, where we embark on a transformative journey into the world of DevOps. Whether you're a beginner looking to kickstart your cloud journey or an experienced professional aiming to deepen your expertise, this course is designed to empower you with the skills and knowledge needed to thrive in the dynamic landscape of DevOps Strategies.

### PRE-REQUISITE

- Basics of Linux & Aws
- Active Aws Account (For practice sessions)
- Expected to spend 3hr per-day (1hr learning – 2hrs Practice)

### RESOURCES

Laptop / Desktop with 6gb RAM and above with good processor.

### Tools Covered

#### Day 1

- Introduction.

#### Day 2

- Shell Scripting from basics to real time use cases.

#### Day 3

- Git Part 1 (Repository, Commit, Branch, Merge, Clone, Fork,)

#### Day 4

- Git part 2 (Remote, Fetch, Pull, Push, Conflict, Rebase, Cherry-pick)

#### Day 5

- Terraform Part 1 (Provider, Resource, Module, State, Plan, Apply,)

#### Day 6

- Terraform Part 2 (Destroy, Data Source, Backend, Remote State, Workspace)

#### Day 7

- Terraform part 3 (Functions)

#### Day 8

- Terraform part 4 ( Modules )

#### Day 9

- Docker Part 1 (Docker Arch and basic commands)

#### Day 10

- Docker Part 2 (Docker Volumes, Docker Networking)

#### Day 11

- Docker Part 3 ( Docker File , Docker compose )

#### Day 12

- Docker Part 4 (Docker Swarm).

#### Day 13

- Packer – Jenkins Integration

#### Day 14

- Packer – Jenkins Custom AMI Creation

#### Day 15

- Jenkins Overview and Installation

#### Day 16

- Jenkins high Availability using Multiple masters

#### Day 17

- Jenkins Slave Concept & Jenkins slave using docker

#### Day 18

- Jenkins Declarative Pipelines

#### Day 19

- Jenkins Scripted Pipelines.

Day 20

- SonarQube - Maven

Day 21

- Project - 1

Day 22

- Project - 2

Day 23

- Project 3

Day 24

- Project 4

Day 25

- Interview and Resume Preparation

Assessment's Policy:

Embed the discipline of daily practice into your routine, fostering a consistent and unwavering progression in your skill development.

---

® All the very best ®