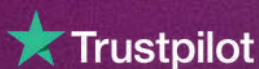
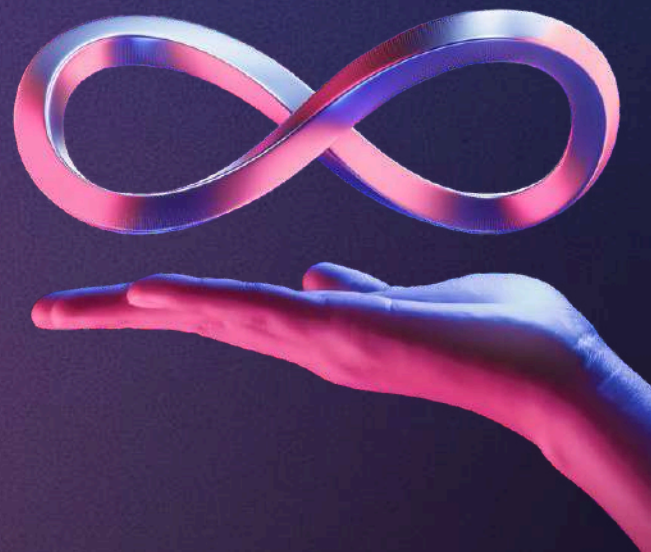


# DevOps With AWS (తెలుగు)

STARTS ON  
Aug-11-2024



Rated  
**Excellent.**



TRAINER :

SIVA KUMAR REDDY METTUKURU

## Know Your Trainer

Sivakumar Reddy, founder of JoinDevOps, is a seasoned DevOps expert with over 12 years of experience. He has trained over 6,500 students through real-world, project-based learning that meets corporate standards. Known for his hands-on approach, Sivakumar specializes in Jenkins, Docker, Kubernetes, Ansible, and Terraform. His practical training programs bridge the gap between academic learning and industry requirements, ensuring students are job-ready from day one.

Outlook

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*Sivakumar Reddy*



SENIOR DEVOPS ARCHITECT | CLOUD CONSULTANT  
12+ YEARS OF EXPERIENCE



# Course Details

DevOps with AWS ( Telugu 81S)

Demo : **Aug 11 | 10:30 am ( IST )**

Classes : Aug 12 | 7:45 pm - 9:15 pm ( IST) Evenings

Course Duration : **4 Months**

Hours of Training : **120+ Hours**

[Register Now](#)

*If you haven't registered yet!*



# Course Highlights

**120+**

Hours of  
Training



Real Time  
Project Experience

**[● REC]**

Lifetime Access to  
Recordings



Mock  
Interviews



Access to  
DevOps Job Portal



Multi  
Environments



Daily  
**Q&A Support**



Resume  
Preparation



Job  
Referrals

## COURSE FEE

**₹24,490/-** ~~₹29,990/-~~

EMI Options are Available

Attend One Week Sessions For Free, Then Decide.

# Syllabus



# Detailed Syllabus

## Demo Day:

- Trainer Introduction
- Course overview
- Syllabus walkthrough
- Training features
- Placement assistance
- Q&A

## Week 1: Introduction to DevOps and AWS

- Introduction to DevOps, AWS Overview, EC2 Basics
- Process Management, Network Management
- RDBMS Overview,
- MySQL Introduction
- Backend Setup, Real-time Project Configuration

## Week 2: Advanced Networking and Database Management

- Public vs Private IP, Forward vs Reverse Proxy
- How DNS Works, Symlink vs Hardlink, Linux Folder Structure
- Shell Script Basics, GitHub Setup
- Variables, Read Command, Conditions, Exit Status, Special Variables

## Week 3: Shell Scripting and Automation

- Functions, Colors, Logs, Redirections, Loops
- Idempotency, Expense Project Completion
- Crontab, Disk Usage, Sending Gmail from Linux Server, Shell Disadvantages
- Introduction to Ansible, Push vs Pull, Install Ansible, Adhoc Commands

# Detailed Syllabus

## **Week 4: Ansible and Configuration Management**

XML vs JSON vs YAML, Playbooks, Ansible Variables, Data Types  
Ansible Loops, Filters, DB Server Configuration  
Shell vs Command Module, Backend and Frontend Server Configuration  
Ansible Roles, Handlers, Tasks, Templates, Vars, Vault  
Ansible Tags, Dynamic Inventory, Forks, EC2 Integration

## **Week 5: Infrastructure as Code with Terraform**

IaaS Advantages, Terraform Setup, EC2 and SG Creation  
Variables, Data Types, Conditions, Count Based Loop, Outputs  
EC2 and R53 Creation, Locals, Data Sources  
State and Remote State, S3 and DynamoDB Configuration, Loops

## **Week 6: Advanced Terraform**

Multiple Environments, Workspaces, Separate Repos, Provisioners  
Module Development, VPC Concepts, Subnets, IGW, Route Tables  
VPC Peering, SG Module, SSM Parameter Store  
Bastion Host, SG Rules, Using Open Source Modules

## **Week 7: Load Balancers and Auto Scaling**

- LB Theory, Listener, Rules, Target Groups, Health Checks
- Load Balancer Setup, Launch Template, ASG, ASG Policy
- Expense Project with Terraform, ACM, HTTPS Listener
- Cloudfront, HTTP Methods

# Detailed Syllabus

## Week 8: Git and CI/CD with Jenkins

- Introduction to Git, Branching, Merge, Rebase, Merge Conflicts
- Git Flow, CR Process, Reset, Revert
- Jenkins Installation, Freestyle Job, Pipeline Job, Pipeline Structure

## Week 9: Jenkins Advanced

- Input, When Condition, CI Pipeline, Reading JSON, Installing Dependencies
- Nexus Integration, CI/CD Job, Expense Project Completion
- SonarQube Installation, Configuration, QualityGate, Scans

## Week 10: Docker and Containerization

- Docker Introduction, Installation, Docker Commands
- Dockerfile Instructions, Build, Push, Expense Project with Docker
- Docker Compose, Docker Volumes, Best Practices

## Week 11: Kubernetes

- Docker Disadvantages, EKS Installation, K8s Resources, Namespace, Pods
- Services, ReplicaSet, Deployment, MySQL Backend, Frontend
- K8s Volumes, Static and Dynamic Provisioning, StatefulSet MySQL

## Week 12: Advanced Kubernetes

- StatefulSet, Helm, RBAC, Horizontal vs Vertical Scaling, HPA
- Taints and Tolerations, Node Affinity, Pod Affinity/Anti-Affinity
- Ingress Controller, Ingress, Init Containers, Ephemeral Volumes
- EKS Cluster Creation, Upgrade, Target Group Binding, Push Image to ECR



# Detailed Syllabus

## **Week 13: Jenkins Shared Libraries and Pipelines**

- Jenkins Shared Library, NodeJS EKS Shared Pipeline
- Unit vs Functional vs Integration Tests, Multi-Branch Pipeline
- Pipelines, Development Pipeline, Non-Prod Pipeline, Prod Pipeline

## **Week 14: Monitoring and Logging**

- Monitoring, Prometheus, Node Exporter, Prometheus Rules, Alert Manager, Grafana Dashboard
- Prometheus Metrics, ELK Stack, Elasticsearch, Kibana, Filebeat, Logstash
- 4 Golden Signals, Latency, Errors, Traffic, Kubernetes Logging

## **Week 15: Python for DevOps**

- Introduction to Python, Environment Setup, Variables, Data Types
- Control Structures, Functions, Modules, Packages
- File Handling, Exception Handling, Python Standard Library
- Python for Automation, Scripting, Integrating Python with DevOps Tools

# Contact Us

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