

Contact person: Raj

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Course name: DevOps Training with Live Project.

CAN YOU CALL/WHATSAPP ME AT 91-9347045052 TO MY MOBILE TO PLANNING AND EXECUTION OF THIS TRAINING. Can you attend demo class today or tomorrow, call me once.

Project Covered During Training: Real Time Project Training

DevOps Real Time Project: Trainer is going to teach one real time Project using **DevOps** which is going to be Real Time Experience. The Trainer will give you one assignment project also and you will do assignment project in your home to make sure that you understand the subject clearly.

Certification: Yes I will provide you Certificate after successfully attending the class this will help you in job assistance. I am also helping you in help placement.

Placement and Job: I will give placement assistance. Because I am giving you real time training with live project so definitely it will help you in job. I have tie up with good company who hire my students.

My address for Class room training: Ruchiwebsolutions,#201,Datta Sai complex ,Beside IKON hospital, Landmark: Near to Vijaya Diagnostic Centre, Dilsukhnagar, Hyderabad, call if any problem to 09347045052.

Trainer Profile

I am **Ranjan Raja** master degree in computer from Utah State University, USA. I am part of **ruchiwebsolutions** in **Dilsukhnagar, Hyderabad**. I have total 20+ years of experience in **DevOps** with drupal, joomla and wordpress, codelgnitor,laravel, yii and **angularJs And nodeJS**. I have developed 200 dynamic website till now on php/mysql and **angularJs And nodeJS**. I have 20 years of experience in Online and class room training. I already given the training to some of the corporate company from UK, USA, Malaysia and India in PHP, mysql and **angularJs And nodeJS**. I have worked with

international clients based in USA, UK, Canada, Netherlands, Australia, Italy, Ireland, France etc. I have worked on many different projects - ranging from small software to complex web applications.

I have a training Institute in **Dilsukhnagar, Hyderabad** with the name “**Complete Lamp Institute**” in **Dilsukhnagar, Hyderabad**. I have already given training of 2500 Students till now, and all working in MNC and Software web Development Company.

Our Teaching style: I give real time training with real PROJECT IN DevOps. Basically, I am developer of 20 years of experience so I will try to give my best output in DevOps training.

DevOps Content:

Devops Course Modules

Introduction

- What is SDLC ?
- Waterfall vs Agile vs Lean Methodology
- Devops History & Lifecycle
- Need of Devops, Roles & Responsibilities
- Devops Goals, Tools & Roadmap

Software Architectures

- Types of architectures
- Client, Application, Database layer
- One, Two, Three, N-teir Architecure

Web & App servers

- What is a web & webapp server ?
- Httpd, Nginx, IIS, Tomcat Servers

AWS Cloud

- What is virtualization ?
- Advantages & Disadvantages
- What is cloud computing ?
- What is AWS ?
- AWS Service & Deployment Models
- AWS Certifications
- Identity and Access Management (IAM)
- Elastic Compute Cloud (EC2) Service & Security
- Amazon Elastic Block Store
- Networking Basics
- Amazon Virtual Private Cloud (VPC) & Its Components
- Elastic Load Balancing (ELB)
- Amazon EC2 Auto Scaling
- Amazon S3 Simple Storage Service
- Amazon RDS (Relational Database Service)
- Amazon Route 53, CDN, KMS
- Miscellaneous or additional topics

Source Code Management – GIT

- What is VCS ? & Its History
- Types of Source Code Management Tools
- Git Vs GitHub & Git Operations
- Types of Version Control System

- Git installation, lifecycle and workflow
- Different Stages in Git
- Repositories (local, central, remote)
- Git user config
- Git pull, push, merge, stash
- Git checkout, branch, commit, cherry pick
- Git logs , log vs refLog
- Merge conflicts, git ignore
- Branching strategies
- Other real time git usefull commands

Source Code Management – GIT HUB

- Git repos (Private & Public)
- How to create Public & Private Repos
- Integrating Repos & Forking
- Linking projects
- Tokens, compare & pull request
- Renaming repos & User management
- Archiving & Deleting repos
- Accessing the private repos
- Advantages & disadvantages
- Assigning Roles
- Difference between git and other tools
- Miscellaneous or additional topics

Build Tool – MAVEN

- What is Build Tool ?
- Introduction to Maven
- Maven objectives & Architecture
- Maven goals & Build life cycle
- Project information & Features
- Requirements & Plugins
- pom.xml and Types
- Maven directory structure
- Java project structure
- Problems without maven
- Maven vs ANT vs Gradle
- Execution
- Sample Application using MSBuild
- Miscellaneous or additional topics

Code & Artifact Storage

- Intro to JFROG
- Use cases & Setup
- Creating repo & Creating users

Sonar Static code analysis

- What is SonarQube?
- Setup & Configuration

- SonarQube Advantages

LAMP

- What is LAMP stack ?
- LAMP Setup ?
- Usage of LAMP stack ?

Terraform

- What is IAAC ?
- What is Terraform ?
- Advantages of Terraform ?
- How Terraform Works ?
- What is Terraform Statefile ?
- Terraform Installation
- Terraform cli
- S3 Backened Setup
- Alias & providers
- Terraform State Locking & Setup
- Variables & Locals, Comments
- Terraform validate & plan
- Terraform apply, destroy, outputs & update
- Terraform loops, workspaces, outputs
- Creating vpc, ec2,rds, s3, ebs, efs and other
- Terraform multiple tfvar files
- Versions & Dynamic block

- Terraform import, taint
- Terraform refresh, replace, target
- Terraform lifecycle
- Create before destroy & Prevent destroy
- Terraform modules
- Miscellaneous or additional topics

Containerization using Docker

- Microservices introduction
- Monolithic vs Microservices
- Virtualization intro
- What is containerization ?
- Docker vs Vms vs Servers
- Docker architecture
- intro to docker & Installation
- Docker Client & Daemon
- Docker Files and Instructions ?
- Create images from Docker files
- Docker Network & Types
- Docker Volumes & Types
- Docker real-time basic commands
- Run vs cmd vs entrypoint
- Add vs copy
- Docker pull, push, build
- Working with containers

- Build image from container
- Ways of container creation
- Docker port mapping
- Docker multistage build
- Creating jenkins by docker
- Docker Registry
- Docker registry types
- Docker login & Image pushing to registry
- Docker hub account creation
- Docker swarm & compose overview
- Docker stack

Monitoring - Prometheus & Grafana

- Intro to Prometheus, Grafana, Node Exporter
- Architecture & Components
- Installation of each component
- Exploring & Importing Grafana dashboard
- Server monitoring and Logging
- Loki & Promtail
- Use cases of loki and promtail

Monitoring – Nagios

- About Nagios & Its Installation
- Master-Slave Configuration
- Configuring with Tomcat Server with Master Node

- Summary

Configuration Management Tool – Ansible

- Ansible Introduction & History
- Ansible Architecture & Usecases
- Ansible inventory host pattern
- Ad-hoc commands & Working with adhoc
- Ansible modules introduction
- Working with ansible modules
- Ansible playbooks
- Package Installation and Uninstallation
- Ansible variables, handlers, loops
- Ansible conditions, vault, roles
- Ansible tags, dry run, pip
- Ansible galaxy, Roles and more modules
- Ansible Builtin Modules
- Ansible jinja2 templates
- Creating local resources
- Ansible git integration
- Deploying Ec2 instance & Tomcat webapp server
- Admin activities & Server metrics collections
- Jenkins & Docker with ansible
- Static Website using Playbook
- Advantages & Disadvantages
- Ansible Alternatives

- Miscellaneous or additional topics

Continuous Integration tool – Jenkins

- Introduction to Jenkins
- Installation and Setup
- Jenkins Architecture
- Creating and Configuring Jobs
- Version Control Integration
- Master – slave architecture, setup
- Build Pipelines, Reports
- Jenkins Agent Setup
- Jenkinsfile and Pipeline as Code
- Continuous Deployment with Jenkins
- Workspaces, Webhooks & Linked Projects
- Environment Variables and Multi Stage Builds
- Artifact Management in Jenkins
- Jenkins Integration with Docker, SonarQube, Tomcat
- Continuous Deployment with Jenkins
- Triggers, Cron Jobs, Plugins and Extensions
- Parameterized Builds
- Distributed Builds
- Security in Jenkins
- Troubleshooting Jenkins Builds and Pipelines
- Jenkins Backup, Monitoring and Logging
- Miscellaneous or additional topics

SPECIFICATION: FEE AND TERMS DETAILS	
Technology:	React
Operating System:	Windows 2003, XP
Webserver	Apache
Database	Mysql
Time Frame(duration):	30 Days [Daily 60 minutes, Weekly 5 hours]
Online Training Fee	Per student 15000 Rs

Terms and Conditions of Payment.		
1	Advance payment ,after demo class	50% money
2	After 8 Class	Remaining 50%
Extra topics will be chargeable. Payment by Cash		

Required Software for Training: Note: I will provide all the software.

- 1) XAMPP Software,
- 2) Dreamweaver
- 3) I will take class though Gotomeeting for online class. Every session will be created on video for online class. Class room training will be given at my office location.

Payment through paypal : Send payment in my ICICI or HDFC Bank Account or in my paypal id
paypal id: payment.ruchiwebsolutions@gmail.com

Raj,

Director Complete LAMP Institute – Business Development

For any questions you may have you may contact myself at Email info@ruchiwebsolutions.com

For any doubt and clearance, call me/whatsapp in India: 09032803895

Once fee is paid, not return back.

Website: <http://www.ruchiwebsolutions.com/>

