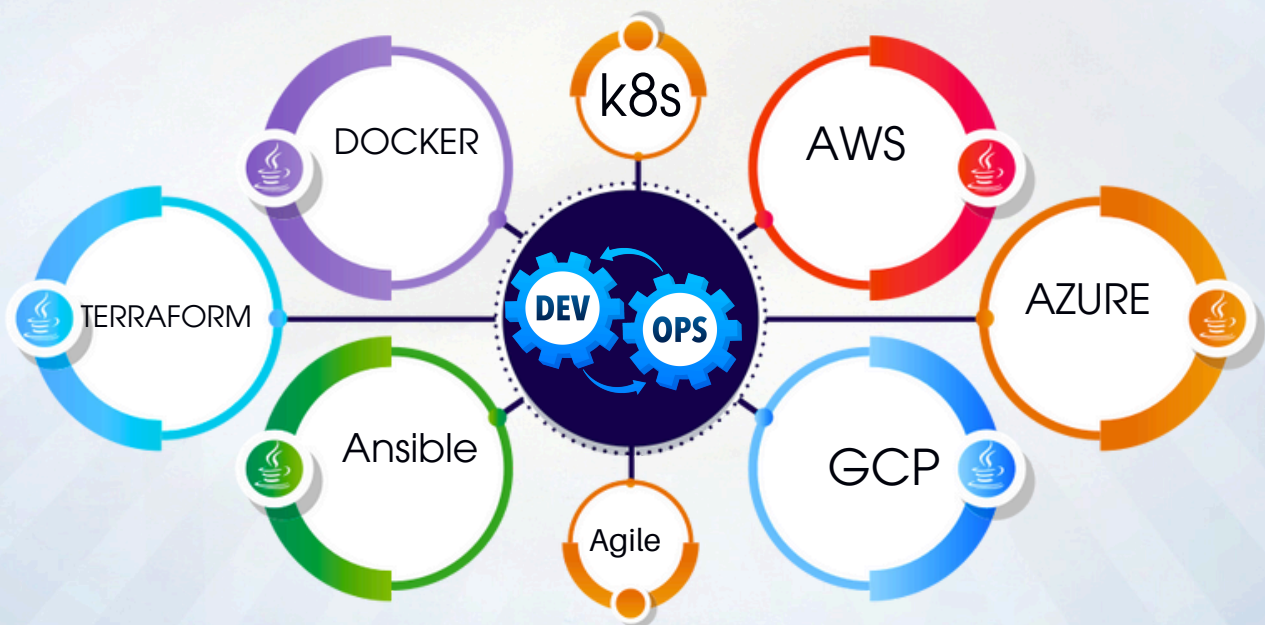




DevOps with Multi Cloud



DEVOPS WITH MULTI CLOUD

INTRODUCTION

- WHAT IS DEVOPS
- WHY DEVOPS
- ROLES OF DEVOPS ENGINEER
- DEVOPS TOOLS OVERVIEW
- DEVOPS LIFECYCLE
- CLOUD OVERVIEW
- CICD OVERVIEW

SDLC

- WHAT IS SDLC?
- SDLC METHODOLOGIES
- WATERFALL MODEL
- ADVANTAGES OF WATERFALL
- DIS-ADVANTAGES OF WATERFALL
- AGILE DEVELOPMENT PROCESS
- SPRINT & SCRUM

LINUX

- WHAT IS OS
- LINUX VS WINDOWS
- LINUX FLAVORS
- LINUX ARCHITECTURE
- LINUX COMMANDS
- FILES & DIRECTORIES
- TEXT FILTERS
- TEXT EDITORS
- USER MANAGEMENT
- FILE PERMISSIONS
- PROCESS MANAGEMENT
- NETWORKING COMMANDS
- PACKAGE MANAGERS
- APPLICATION DEPLOYMENTS
- WHAT IS SCRIPTING
- WHY SCRIPTING
- TYPES OF SHELLS
- COMMAND LINE ARGS
- VARIABLES
- OPERATORS
- LOOPS
- CASE STATEMENT
- FUNCTIONS
- CRON JOBS



MAVEN

- WHAT IS BUILD TOOL
- AUTOMATED BUILD PROCESS
- MAVEN INTRODUCTION
- MAVEN INSTALLATION
- MAVEN TERMINOLOGY
- MAVEN ARCHETYPES
- MAVEN PROJECT CREATION
- MAVEN DEPENDENCIES
- MAVEN REPOSITORIES
- LOCAL REPO
- CENTRAL REPO
- REMOTE REPO
- MAVEN GOALS

GIT HUB

- INTRODUCTION
- WHAT IS A VERSION CONTROL
- GIT VS GIT HUB
- GIT HUB ACCOUNT SETUP
- GIT ARCHITECTURE
- GIT REPOSITORIES
- STAGING VS UN-STAGING
- GIT COMMANDS
- BRANCHING IN GIT
- PULL REQUESTS

TOMCAT

- CLIENT SERVER ARCHITECTURE
- WHAT IS WEBSERVER
- TOMCAT INTRO
- TOMCAT SETUP
- TOMCAT DIRECTORIES
- WAR FILE DEPLOYMENT
- ADMIN CONSOLE

SONARQUBE

- SONARQUBE INTRO
- WHAT IS CODE REVIEW
- SONARQUBE SETUP
- QUALITY PROFILES
- QUALITY GATES
- BUGS
- VULNERABILITIES
- CODE SMELLS

NEXUS REPO

- WHAT IS NEXUS
- NEXUS SETUP
- ARTIFACTS
- SNAPSHOT REPO
- RELEASE REPO
- SHARED LIBS



DOCKER

- WHAT IS DOCKER
- LIFE WITHOUT DOCKER
- LIFE WITH DOCKER
- DOCKER SETUP
- DOCKER ARCHITECTURE
- DOCKER REGISTRY
- DOCKER IMAGES
- DOCKER CONTAINERS
- DOCKER FILE
- DOCKER NETWORK
- DOCKER VOLUMES
- DOCKER COMPOSE
- DOCKER SWARM
- SPRING BOOT APP WITH DOCKER
- PYTHON APP WITH DOCKER
- REACT APP WITH DOCKER
- ANGULAR APP WITH DOCKER

KUBERNETES

- WHAT IS ORCHESTRATION
- KUBERNETES INTRO
- KUBERNETES ARCHITECTURE
- EKS SETUP
- CONTROL PLANE
- WORKER NODES
- PODS
- SERVICES
- NAMESPACES

- REPLICATION SET
- DAEMON SET
- STATEFUL SET
- DEPLOYMENT
- BLUE GREEN DEPLOYMENT
- CONFIG MAP & SECRETS
- HPA
- INGRESS CONTROLLER
- TAINTS & TOLERATIONS
- NODE AFFINITIES
- HELM CHARTS
- PROMETHUES & GRAFANA
- ELK STACK

JENKINS

- WHAT IS JENKINS
- CI CD OVERVIEW
- JENKINS SETUP
- MASTER & SLAVES
- JENKINS JOBS CREATION
- PLUGINS MANAGEMENT
- USER MANAGEMENT
- PIPELINE INTRO
- DECLARATIVE PIPELINES
- SCRIPTED PIPELINES
- PARALLEL STAGES
- ERROR HANDLING
- BUILD TRIGGERS
- EMAIL NOTIFICATIONS



TERRAFORM

- WHAT IS IAC ?
- TERRAFORM INTRO
- TERRAFORM INSTALLATION
- TERRAFORM ARCHITECTURE
- VS CODE IDE SETUP
- HCL SCRIPTS
- RESOURCES MANAGEMENT
- LOCK FILES
- STATE FILES
- INFRASTRUCTURE PROVISIONING
- INPUT VARIABLES
- OUTPUT VARIABLES
- RESOURCES TAINTING
- TERRAFORM MODULES
- TERRAFORM WORKSPACES
- TERRAFORM VAULT

ANSIBLE

- WHAT IS CONFIGURATION MANAGEMENT
- ANSIBLE INTRO
- ANSIBLE SETUP
- ANSIBLE ADHOC COMMANDS

- INTRODUCTION TO PLAY BOOKS
- YML FILE WRITING
- WRITING PLAY BOOKS
- PLAY BOOKS EXECUTION
- TAGS & HANDLERS
- ERROR HANDLING
- INTRODUCTION TO ROLES
- CREATING ROLE
- ANSIBLE GALAXY
- ANSIBLE VAULT
- ANSIBLE TOWER

TRIVY

- WHAT IS TRIVY
- TRIVY SETUP
- SCANNING DOCKER IMAGES
- SCANNING FILE SYSTEM
- SCANNING KUBERNETES YAML
- SCANNING GITHUB REPOSITORIES



AWS CLOUD

- ON PREM INFRASTRUCTURE
- WHAT IS CLOUD COMPUTING
- CLOUD ADVANTAGES
- IAAS VS PAAS VS SAAS
- AWS INTRODUCTION
- AWS ACCOUNT SETUP
- AWS SERVICES TOUR
- IAM
- EC2
- WORKING WITH AMIS
- KEY PAIRS
- SECURITY GROUPS
- LOAD BALANCING
- AUTO SCALING
- EBS VOLUMES
- EBS SNAPSHOTS
- S3 BUCKETS
- RDS
- BEAN STACK
- LAMBDAS
- CLOUD WATCH
- SNS
- EFS
- VPC
- EKS
- ROUTE 53
- BILLING OVERVIEW

AZURE CLOUD

- AZURE ACCOUNT SETUP
- AZURE VIRTUAL MACHINES (VMS)
- AZURE BLOB STORAGE
- AZURE SQL DATABASE
- AZURE ACTIVE DIRECTORY
- AZURE VIRTUAL NETWORK (VNET)
- AZURE MONITOR
- AZURE NOTIFICATION HUBS
- AZURE FILES
- AZURE APP SERVICE
- AZURE FUNCTIONS
- AKS

GCP CLOUD

- GCP ACCOUNT SETUP
- COMPUTE ENGINE
- CLOUD STORAGE (BUCKETS)
- CLOUD SQL
- CLOUD IDENTITY / IAM
- VIRTUAL PRIVATE CLOUD (VPC)
- CLOUD MONITORING
- FIREBASE CLOUD MESSAGING
- FILESTORE
- APP ENGINE
- CLOUD FUNCTIONS
- GKE

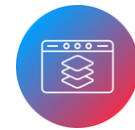
COURSES OFFERING



**JAVA
FULLSTACK**



**PYTHON
FULLSTACK**



**UI
FULLSTACK**



LINUX



**CLOUD
COMPUTING**



DEVOPS



DSA



**SYSTEM
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**CYBER
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**DATA
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**DATA
ANALYTICS**

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