



We Understand Technology

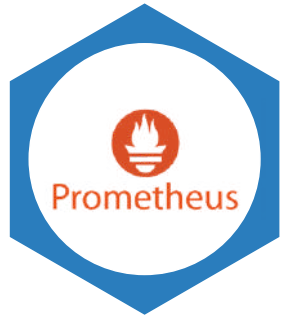
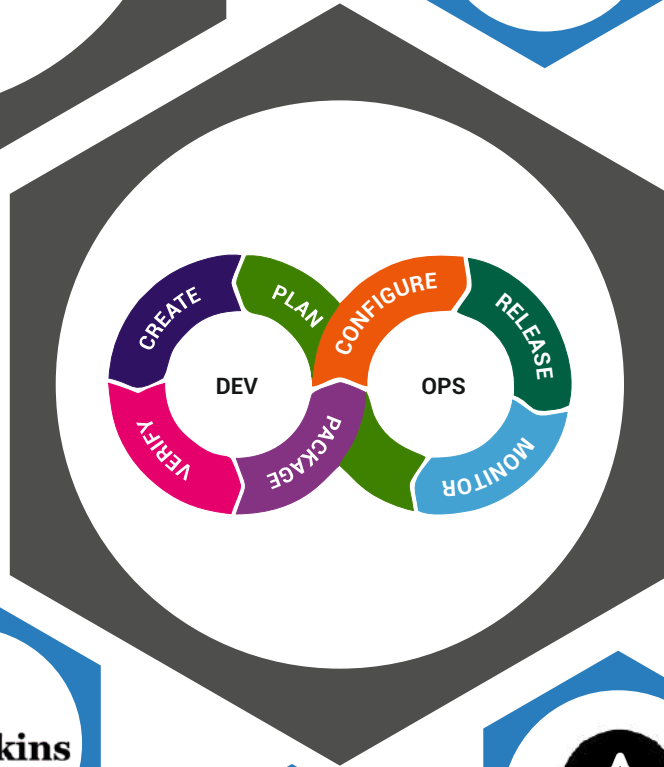


# Master in Cloud Architecture

With AWS DevOps



Online & Offline Training mode Available





## ABOUT US

Fortune Cloud Technologies Group is operating in a Pune which is known as Oxford of East. We are an IT Training service provider conducting training programs for various software fields & offers certification for individuals and organizations as well. For this we have a team of fully qualified and experienced professionals.

**Fortune Cloud is connected with 2000+ reputed IT Companies where we have placed our candidates.** Hundreds of satisfied students are working in well - reputed MNC's like ATOS, Accenture, Capgemini, L&T Infotech, Siemens, TCS, Wipro and many mid - level companies like Allure, Goodwill Software, Techence, Logic Spice, Aikon Labs, Clinivantage, Mindnerves Technologies & many more

Fortune Cloud Technologies Group is an Education & Training vertical of Cravita Technologies India Private Limited



**Subsidiary Company of**



Cravita Technologies India Private Limited is an IT company providing IT Services like Software Development, Website Development, Mobile App Development, Cloud Services & IT Staffing.

**For more details visit:** [www.cravitaindia.com](http://www.cravitaindia.com)



To fulfill the ever existing demand of quality manpower in an IT Industry. FortuneCloud has launched a Job Enabling Training Program.i.e MCA

**MCA stands for Master in Cloud Architecture.**

**MCA - is the only course which provides employable skills and make Freshers Industry Ready in Cloud Computing**

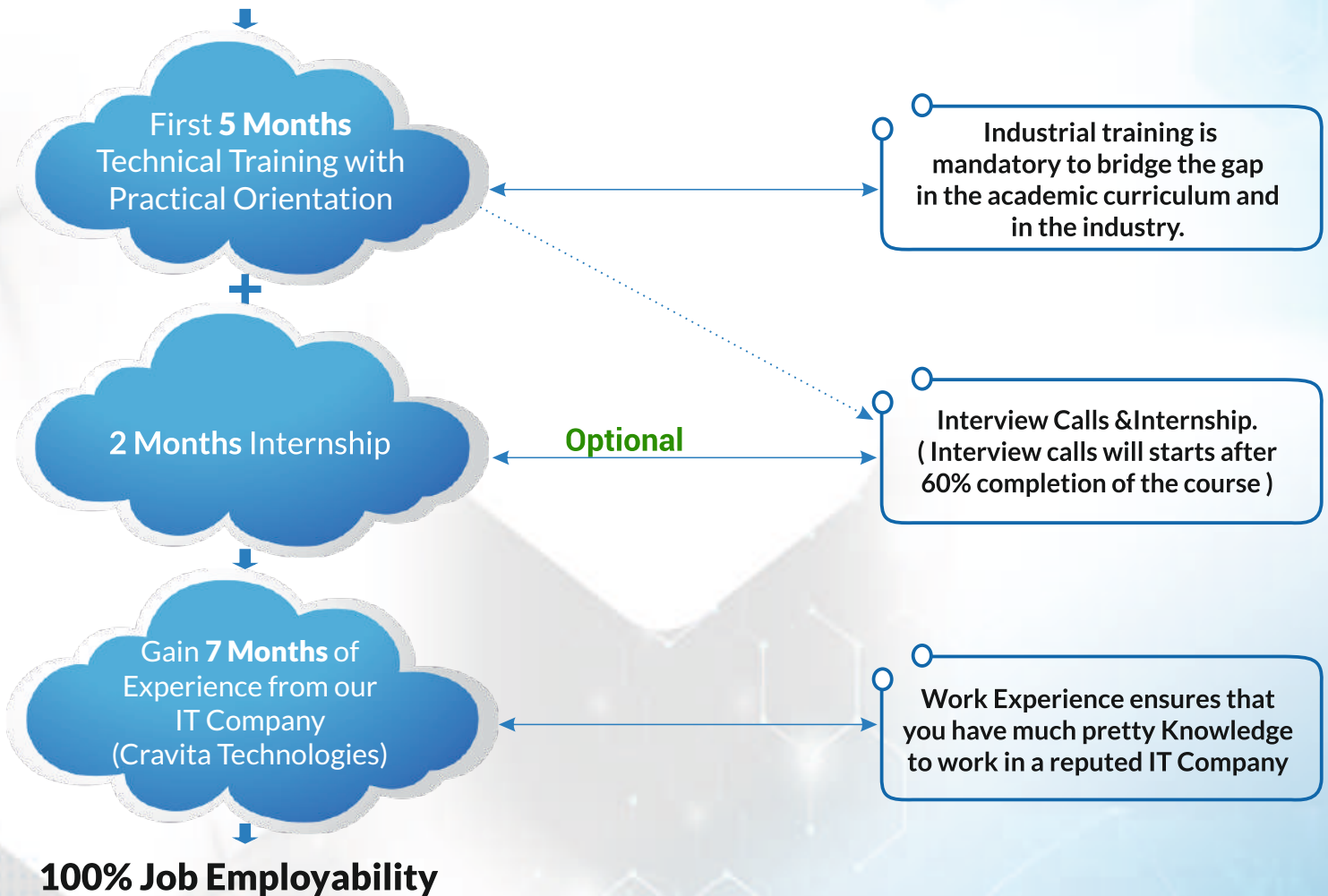


## Our Process & Methodology:



# PROGRAM FLOW

## Your Journey starts here



## UNIQUE FEATURES

- Microsoft Teams Live Recording
- Complete Practical Oriented Training

# Master in cloud Architecture

## Linux

- Introduction
- Basic & Advanced Commands
- Kernel
- Namespaces
- Process & Threads
- File System
- Shell Scripting
- Root
- User & Groups

## Networking

- OSI Layers
- Protocols
- TCP
- IP
- Ports
- HTTP/HTTPS
- CIDR Block
- IP Table, Route Table
- Subnet
- DNS
- Router, Switch
- Firewall
- Public IP / Private IP
- API Calling
- Encryption
- Public & Private Keys
- CLI - Command Line Tools
- Curl

## Python

- Introduction to Python
- Installation
- Variables, Data Types
- Strings, Numbers
- List, Arrays
- Tuples
- Dictionary
- Set
- Control Flow - Decision Making, Looping, Branching
- Functions
- OOPs Concepts
- Classes & Objects
- File Handling
- Exception Handling
- **Web Frameworks - Django & Flask**
- API Handling
- Scripting
- Advanced Libraries

## Cloud Computing

- Server
- Virtualization
- HyperWiser
- Cloud Providers
- Containerisation
- Serverless



- **Ec2 Instances - Elastic Compute Cloud**

- Types of Ec2
- LifeCycle of EC2 Instances
- AMI, EC2 Image Builders
- SPOT, Reserved, ON - Demand Instances

- **Ec2 Networking**

- Regions, Availabilities Zones
- VPC
- Security Groups
- ACL
- Internet Gateway, NAT Gateway
- SSH Access
- Elastic IP, Public IP

- **Instance Store**

- **EBS - Elastic Block Storage**

- Volumes, Snapshots & Encryption
- IOPS & gp EBS

- **Project 1 - LAMP / LEMP Server**

- **Monitoring & Logging**

- CloudWatch
- Cloud Trail

- **S3 - Simple Storage Service**

- Buckets & Objects
- Types of S3 Storage Class
- Lifecycle of S3
- S3 Webhosting
- S3 Versioning
- S3 Encryption

- **RDS**

- Need & Configuration
- MYSQL in RDS
- Backup & Snapshots
- Master & Read Replica
- DB Encryption
- Aurora - MYSQL Aurora

- **Project 2 - DB Form**

- **MultiAZ Deployment**

- **Autoscaling**

- **ELB - Elastic Load Balancer**

- ALB - Application Load Balancer
- NLB - Network Load Balancer
- CLB - Classic Load Balancer

- **High Availability**

- **Fault Tolerant**

- **Resiliency**

- **MultiTier Archietecture**

- **Project 3 - Autoscaling & Load Balancing**

- **Lightsail**

- **EFS - Elastic File System**

- EFS Backup & Replication
- EFS Encryption



- **DynamoDB**
- **NON - SQL DB**
- **Partition Key, Sort Key**
- **DynamoDB Global Tables**
- **DAX**
- **DynamoDB Encryption**
- **Project 4 DynamoDB Project**

## IAM

- IAM Users, Groups
- IAM Roles
- IAM Policies & Permissions
- IAM Access Analyser
- Access Key & Secret Key
- AWS Organization

## • **Route 53**

- DNS Management
- Hosting Zones
- Domain Listings
- ACM Certificates
- Route 54 Load Balancing

## • **Decoupling**

- Microservices
- Amazon SNS
- Amazon SQS

## • **Lambda**

- Serverless
- Lambda Functions

- Function Scaling & Manging
- Lambda Runtime
- Lambda Networking

## • **Amazone Kiness**

- Kiness Data Streams
- Kinesis Data Analytics
- RedShift
- Athena

## • **AWS Storage Gateway**

## • **AWS Snow Family**

## • **AWS Direct Connect**

## • **AWS VPN**

## • **AWS Developer Tools**

- CodeBuild, CodePipeline, CodeCommit

## • **AWS KMS - Key Management Services**

## • **Cloud Formation**

- IaC - Infrsdtructure as a code
- ClodFormation Templates & Stacks
- YAML & JSON

## • **AWS CLI**

## • **AWS SDK**

## • **AWS Billing - Cost Optimization**

## • **Hybrid Cloud**

## • **Migate on - permises to AWS Cloud**

## • **DevOps Tools Introduction**



# DevOps Tools

## Git:

- Version Control
- Git Introduction
- Git Installation
- Create and Clone Repository
- Commonly used commands in Git
- Working with Remote Repository
- Branching and merging in Git
- Merge Conflicts
- Stashing, Rebasing, Reverting and Resetting
- Git Workflows

## Kubernetes:

- Introduction to Container Orchestration
- Kubernetes Core Concepts
- Understanding Pods
- ReplicaSet
- Replication Controller
- Deployments
- DaemonSets
- Networking in Kubernetes
- Rolling Updates
- Rollbacks
- Scaling Application
- Services
- Persistent Storage in Kubernetes
- Primitives for PersistentVolumeClaims
- Secrets and ConfigMaps
- Headless Services
- StatefulSets
- Helm Charts & its Deploying
- MicroServices Architecture

## Docker:

- Containerization
- Namespaces
- Docker
- Docker Architecture
- Container Lifecycle
- Docker CLI
- Port Binding
- Docker Networking
- Detached and Foreground Mode
- Dockerfile
- Dockerfile Instructions
- Docker Image
- Docker Registry
- Container Storage
- Volumes
- Docker Compose
- Docker Swarm

## Jenkins:

- Introduction to Continuous
- Integration
- Jenkins Architecture
- Plugin Management in Jenkins
- Jenkins Security Management
- Notification in Jenkins
- Jenkins Master-slave architecture
- Jenkins Delivery Pipeline
- Jenkins Declarative Pipeline
- CI/CD Pipeline
- Integrate Git with Jenkins
- Integrate Maven with Jenkins

## Terraform:

- Introduction to Terraform
- Terraform vs Ansible
- Terraform Architecture
- YAML and JSON
- Terraform CLI
- Terraform Providers
- Terraform Modules
- Terraform Variables, Outputs, Key concepts
- Terraform Loops
- Terraform Functions and Provisioners
- Terraform Configuration & its File
- Terraform Common Commands
- Managing Terraform Resources
- Terraform State & its Commands
- State management
- Terraform Project

## Jira :

- Introduction to JIRA
- Installing
- Create project, Scheme, Issues
- Add Users
- Jira Dashboard and Gadgets
- Kanban Boards and Scrum
- Write Test Cases, Test Cycles
- Defect / Bug Templates
- Logging defects
- Defect Lifecycle
- Searching Defects and doing bulk Changes
- Search Filters
- Advanced Search using JQL
- Jira Query Language
- Generating Reports
- Types of Reports
- Backlog
- Agile Project Monitoring and reporting with Jira

## Ansible:

- Introduction to Configuration Management
- Infrastructure as code
- Introduction to Ansible
- Ansible Architecture
- Inventory Management
- Ansible Modules
- AD-HOC Commands
- Ansible Playbooks
- Ansible Roles

## Prometheus and Grafana:

- Introduction to Prometheus and Grafana
- Prometheus and Grafana Setup
- Monitoring using Prometheus
- Dashboard
- Visualization using Grafana
- Creating a Dashboard to monitor the Pipeline

# Certification Preparation

AWS Cloud Practitioner Certification

AWS Solution Architect - Associate

Solution Architect - Professional Certification

SysOps Certification

# Job Profile after this course

Cloud Engineer

Cloud Specialist

DevOps Engineer

Site Reliability Engineer

DevOps Automation Engineer

Cloud DevOps Engineer

Aws Fullstack

Cloud Fullstack

Aws Cloud Fullstack

Aws Architect

Cloud Formation Engineer

Aws Admin

CI/CD Pipeline Engineer

DevOps Engineer - Docker/  
Kubernetes/Terraform

# Certificate Format





# Top Reasons to Join Fortune Cloud's Training

**Fortune Cloud - A subsidiary of Cravita Technologies India Private Limited which is one of the leading Information Technology Consulting, services and Outsourcing organization.**

## 2000+ Clients

**Job Enabling Training program - Training by IT Professionals. Over 5 years + Real - Time Experienced Faculty. There are 100% Placement opportunities after this training program.**

**Live Project Exposure - Real time Work Experience ensures that you have sufficient Professional Experience to get a Job in an IT Industry.**

**All our centers are equipped with modern teaching aids and state-of-the-art hardware, including PC projectors, overhead projectors, LCD panels, Smart Board, etc.**

## 100% Placement Assurance

## Fortune Cloud Technologies Group

Google Ratings 4.8 ★★★★★



**Dhanraj Kadam**



Fortune Cloud is good choice to build career in IT industry and staff is so supportive. Teaching staff is excellent. Doubt clearance also done by staff. Faculties are really good and cooperative. They focus on things like mock interviews, presentations, one to one interaction of faculties with all students to build confidence of students and give advices on exactly what they need to improve.



**Rishabh Vishwakarma**



This stars is for Ravindra Bagale sir and Fortune Cloud Staff. Ravi sir teach me AWS and DevOps. By this dedication and hardwork I am placed in a good company within 2 months.#Aws Jindabaad I highly recommend Fortune Cloud Technologies for aws and DevOps.



**Shubham Thakur**



I'm doing the course for AWS. My overall experience is excellent all credit goes the teaching staff. Within 2 months of course I got placed in a company all thanks to the teaching staff and fortune cloud technologies.



**Aashutosh Wankhede**



A good institute to enhance your skills regarding cloud computing and DevOps environment.



**Rohan Wakchaure**



Best Software Training Center This training center offers hundred percent job after completion of the course. All the teachers in this training center are highly educated and help the students from time to time and give proper guidance as well as organize various seminars for the students to get jobs which benefit the students in future. Thank you very much Fortune Cloud Center.



**Pratiksha Pansare**



I am joined Fortune Cloud Technologies for ( java ) full stack developer course and 4 month and My overall experience best. I got Job. We get more knowledge regarding new languages and experience the process of developing real time projects with lots of joy. The teaching staff is really good and helpful. They helped me in building strong resume and personal development also. Thank you so Much Fortune Cloud Technologies. Amazing Experience



**Aakash Vibhandik**



Fortune Cloud is a good choice to build a career and the staff is so supportive. The teaching staff is excellent. Overall I'm very happy with the experience.



**Mangesh Sangale**



Great place to learn new technologies. Staff is very cooperative and dedicated for each individual to understand the need of candidates and their aspirations. Must recommend this place for beginners who are striving to get into IT.

Check Latest Reviews on google via this link :

<https://g.page/fortunecloud/>



# Our Office Premises





# Our Office Functions





# Our Development Center ( Cravita Technologies )



Building



Name Plate



Reception



Cabin



Work place



Work place



Staff

# Companies where Our Students are Placed



## CONTACT US

### FORTUNE CLOUD TECHNOLOGIES GROUP



For more details  
Scan the QR Code

- Head Office** - 3rd Floor, Abhinav Apartment, Beside Congress Bhavan, Shivajinagar, Pune - 411005
- Branch Office** - 2nd Floor, Kamayani Tower, Jangali Maharaj Road, Above SBI Bank, Behind One Plus Showroom, Shivajinagar, Pune - 411005
- Corporate Office** - 2nd Floor, Shirodkar House, Congress House Road, Opposite to Amit Cafe & Amit Court Near Municipal Corporation, Shivajinagar, Pune - 411005

9766439090 / 9975328281 [www.fortunecloudindia.com](http://www.fortunecloudindia.com)

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