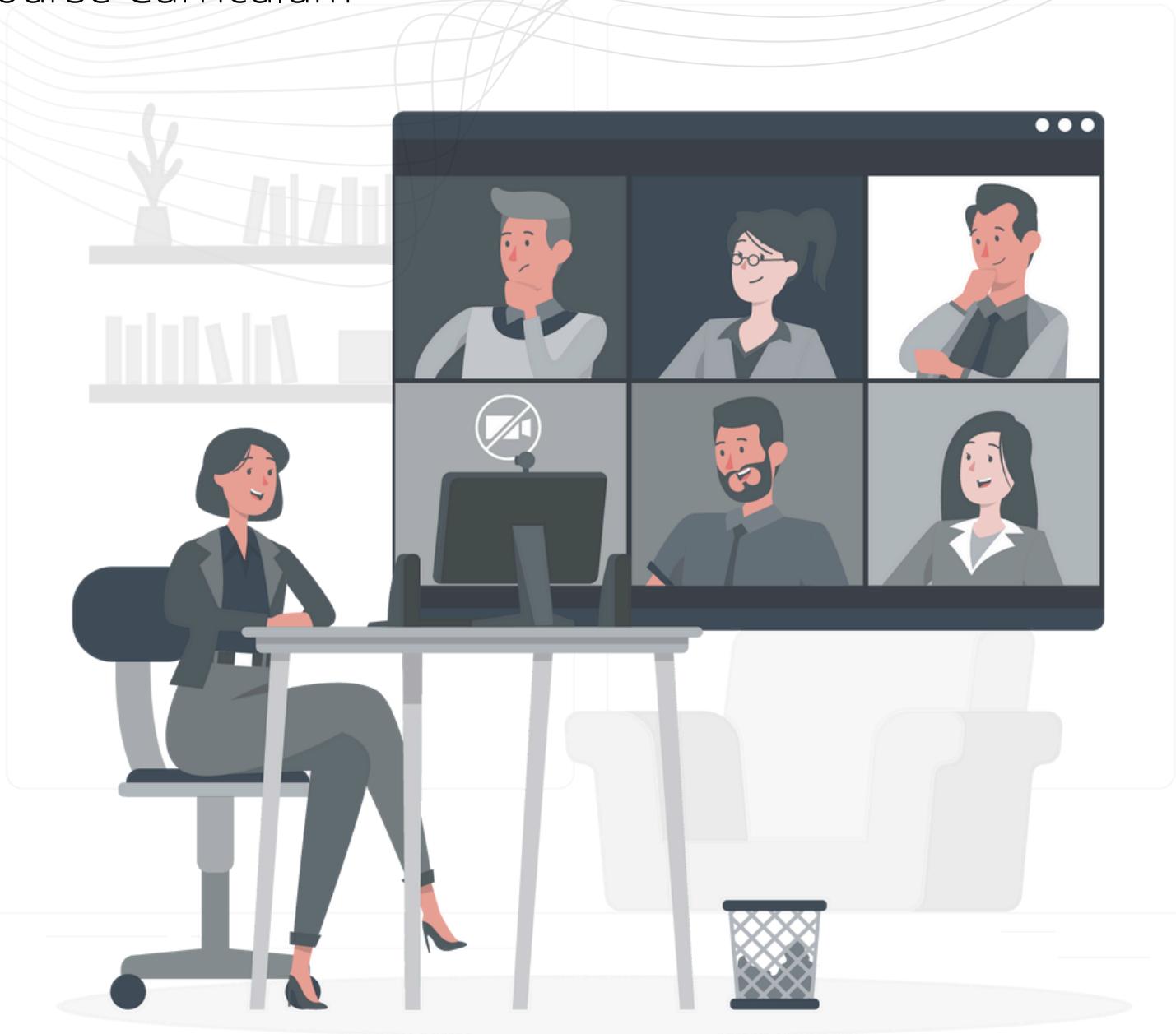


Consultadd Presents

360°

Consultadd

Training Developer
Course Curriculum



Consultadd Services
Private Limited

Presented By:
Training Team
Erudite



ABOUT

Consultadd

13 years of technical excellence. Our technology expertise got bigger and better in the last decade, and our experience can help in solving your problems.

Consultadd Business Solutions is a niche IT Training | Recruiting | Consulting solution provider for global clients in diverse vertical and horizontal streams such as finance and accounts, IT, health care, financial services, human resource and knowledge process outsourcing, and staffing. Consultadd Information Technology Solutions has an unmatched ability to help its client's businesses grow by improving their back-office processes, while significantly reducing costs.

Some Giants We Work With

Their Trust and our Expertise held hands to achieve the Best.



Fannie Mae



lululemon





DARE TO BE DIFFERENT

ANOTHER WHY?

Why Consultadd?

The Consultadd trainers who have come up with this training program are experts in the field of training and have consolidated this training program after closely understanding the kind of issues consultants face while handling a project and also by keeping in mind the various tools and technologies that are being extensively used in a software development project. The objective of this training is to focus on every detailed aspect of the software development cycle so that you can have a better understanding of how to set up and get started with the project.

This course builds your competence and credibility through practical skills that help you innovate and build a level of confidence in handling and integrating the various technologies involved together into a final product. We believe that a prior understanding of the project environment should benefit in nurturing the required skill set in you.

E X T R A O R D I N A R I L Y
C A N D I D



COURSE LEADER

Meet the Experts



Rujul Zalte

Senior Python Trainer
AWS Certified &
AWS Authorized Instructor



Raghvendra Kanoongo

Senior Java Trainer
AWS Certified



Labhesh Lalka

Senior Python Trainer
AWS Certified &
Terraform Associate



Jay Prakash Dwivedi

Python Trainer
AWS Certified



Chirag Goel

Java Trainer
CCSP Certified



Pratham Soni

Java Trainer
AWS Certified



**WE HIRE BUILDERS
AND LET THEM BUILD**

TALKING ABOUT 360 DEGREE TRAINING

It is 360°

If you are looking forward to refining your technical skills and improving your productivity as well as contributing to the growth of the organization then this is just the right course for you. It focuses on a number of tools and technologies that cover all the aspects that are vital for a software development project. Regardless of your experience level, this course is going to provide you with a lot of hands-on training oriented and designed in a way that will help you in becoming an IT Professional focussing on the best practices in the Software Development Life cycle

WHO CAN TAKE IT?

Anyone who is aiming to start his/her career in IT to deal with the latest tools and technologies that increase an organization's ability to deliver applications and their services at a higher pace: The course is specially designed to polish your skills with the new services in trend, taking you one step closer to your dreams.



Hack, Break & Build

OBJECTIVES

1

Training Week-1 [Prerequisite]

ROADMAP

BREAKDOWN

- VCS and CLI
Session 01
- SDLC/Agile and Database
Session 02
- Python/Java Programming
Session 03
- Open Ended Discussion
Session 04



Hack, Break & Build

OBJECTIVES

2

Training Week-2 [Python Framework]

ROADMAP

BREAKDOWN

- Introduction to Django Framework
Session: 01 (Monday)
- Understanding Views and Templates
Session: 02 (Monday)
- Understanding Model and Admin Panel
Session: 03 (Tuesday)
- Introduction to Django Rest Framework
Session: 04 (Tuesday)



Hack, Break & Build

OBJECTIVES

3

Training Week-2 [Python Framework]

ROADMAP

BREAKDOWN

- Capstone Project on CRUD Operation
Session 5: (Wednesday)
- Introduction to Django Forms
Session 6: (Wednesday)
- Understanding Sessions
Session 7: (Thursday)
- Understanding AuthZ and AuthN (JWT Tokens)
Session 8: (Thursday)



Hack, Break & Build

OBJECTIVES

4

Training Week-2 [Python Framework]

ROADMAP

- Understanding Django Signals
Session 9: (Friday)
- Understanding Django Channels
Session 10: (Friday)

BREAKDOWN



Hack, Break & Build

OBJECTIVES

2

Training Week-2 [Java - Framework]

ROADMAP

BREAKDOWN

- Introduction to Spring and DI
Session: 01 (Monday)
- Spring Boot and Annotations
Session: 02 (Monday)
- RESTful APIs and API Testing
Session: 03 (Tuesday)
- Introduction to Hibernate, JPA and JPQL
Session: 04 (Tuesday)



Hack, Break & Build

OBJECTIVES

3

Training Week-2 [Java - Framework]

ROADMAP

BREAKDOWN

- Spring Security
Session: 05 (Wednesday)
- Implementing JWT Tokens
Session: 06 (Wednesday)
- Introduction to Microservices
Session: 07 (Thursday)
- Service Discovery and Communication (Part I)
Session: 08 (Thursday)



Hack, Break & Build

OBJECTIVES

4

Training Week-2 [Java - Framework]

ROADMAP

BREAKDOWN

- Service Discovery and Communication (Part II)
Session: 09 (Friday)
- Relational Mapping
Session: 10 (Friday)



Hack, Break & Build



5

OBJECTIVES

Training Week-3 [Modernization]

ROADMAP

BREAKDOWN

- Introduction to Cloud Computing and AWS
Session: 01 (Monday)
- AWS Compute Services
Session: 02 (Monday)
- AWS Storage Services
Session: 03 (Tuesday)
- AWS Database Services
Session: 04 (Tuesday)



Hack, Break & Build



6

OBJECTIVES

Training Week-3 [Modernization]

ROADMAP

BREAKDOWN

- AWS Monitoring and Scaling / Serverless
Session: 05 (Wednesday)
- Introduction to Docker
Session: 06 (Wednesday)
- Understanding Docker (Advance)
Session: 07 (Thursday)
- Introduction to Terraform
Session: 08 (Thursday)



Hack, Break & Build

OBJECTIVES

7

Training Week-3 [Modernization]



Understanding Terraform (Advance)

Session: 09 (Friday)

ROADMAP

BREAKDOWN



Hack, Break & Build

OBJECTIVES

5

Training Week-4 [Get Ready for Interview]

ROADMAP

BREAKDOWN

- Interview Preparation
Day: 01 (Monday)
- Resume and JD analyzing
Day: 02 (Tuesday)
- Familiarizing with tools (Google Docs)
Day: 03 (Wednesday)
- Familiarizing with tools (Otter)
Day: 04 (Thursday)

WEEK 1

LIVE WALKTHROUGH VCS AND CLI

Monday

In this module you will gain insights into the **VCS & CLI**

- Doubt Clearing Session and Hands-on Example of Git/GitHub and Linux Commands.

LIVE UNDERSTANDING SDLC/AGILE AND DATABASE

Tuesday

In this module you will gain insights into the **SDLC & Database**

- Doubt Clearing Session and Hands-on Example of JIRA and SQL Queries.

LIVE UNDERSTANDING CORE PYTHON

Friday

In this module you will gain insights into the **Python Fun Fundamen.**

- Doubt Clearing Session and Hands-on Example of Python Snippets and Pair Programming of some Coding Questions.

Note: Wednesday and Thursday are for self-paced learning for programming fundamentals. On Friday doubts are welcome with a thrust for peer programming.

WEEK 2

(Python)

LIVE INTRODUCTION TO DJANGO AND IT'S FEATURES Monday

In this module you will gain insights into the **Django basics**

- What is Framework?
- Flask v/s Django
- Virtual Environment
 - Conda
 - VENV
- Creation of Project in Django
- Creation of App in Django
- Registration of App
- MVT Architecture
- Explaining Django File Structure

LIVE UNDERSTANDING VIEWS AND TEMPLATES Tuesday

In this module you will gain insights into the **Views andUrls**

- Views and URLs
- Explaining file Structure
- URL routing and URL conf
- Handling HTTP requests
- Templates
- Creating templates
- Static Files
- Managing Static Files
- Integration of Static Files

WEEK 2

(Python)

LIVE UNDERSTANDING MODELS AND ADMIN PANEL

Wednesday

In this module you will gain insights into the **Django Models**

- Models and Databases
 - Creating models
 - Commands
 - Database migrations
- Django Admin Panel
 - Customizing the admin interface
 - Registering models with the admin
- Django Shell
 - Django Shell Commands

LIVE INTRODUCTION TO DRF

Thursday

In this module you will gain insights into the **Django restframework**

- Introduction
- Day-to-Day Use Cases of APIs
- .Types of API's
- Types of API Architectures
- Django Rest Framework (DRF) vs. Django
- Request-Response Cycle
- Download/Installation

LIVE INTRODUCTION TO CRUD

Friday

In this module you will gain insights into the **CRUD operations**

- CRUD operations
- Creating Users
- .Getting all users/Single user Data
- Updating (PUT) User
- Deleting User
- Postman Overview

WEEK 2

(Python)



DJANGO FORM

Monday

In this module you will gain insights into the **Views and Urls**

- Introduction to Forms:
- Creating and handling forms
- Advantages
- Views Integration
- Types of Forms:
 - a. Normal Forms
 - b. Model Forms
- CSRF
- Form Validations
- Handling file uploads



DJANGO SESSIONS

Tuesday

In this module you will gain insights into the **Sessions**

- Introduction to Sessions
- Why to use Sessions
- Advantages
- Login System app:
- Terminologies
 - a. Cookies
 - b. Local Storage
 - c. Session Storage
- Creation of Sessions
- Handeling Sessions

WEEK 2

(Python)

LIVE **JWT TOKENS**

Wednesday

In this module you will gain insights into the **Authentication and Authorisation**

- User Authentication
- User authentication system
- Login, logout, and password management
- Customizing the user model
- JWT Token Integration
- Introduction to JWT (JSON Web Tokens)
- Implementing JWT authentication with DRF
- Securing APIs with JWT

LIVE **DJANGO SIGNALS**

Thursday

In this module you will gain insights into the **Django Signals**

- Introduction to Django Signals
- Usecases / Why to use Signals
- Practical Implementations
- Methods
 - a. pre_save
 - b. post_save
 - c. pre_delete
 - d. post_delete

WEEK 2

(Python)

 **DJANGO CHANNELS**

Friday

In this module you will gain insights into the **Django Channels**

- Django Channels
- Websockets Overview
- Websockets v/s REST
- Usecases of Asgi and Wsgi
- Channels Overviews
- Consumers and Routing
- Practical of Channels
- Testing over Postman

WEEK 2

(Java)

LIVE INTRODUCTION TO SPRING AND DI

Monday

In this module you will gain insights into the [Spring Basics](#)

- Introduction to spring
- Introduction to Basic Terminologies - IOC, IOC Container, Bean and its scopes
- Hands-on explanation of singleton and prototype bean scope using XML file
- What is Dependency injection and types of DI
- Hands-on with types of DI - setter-based and constructor-based injection

LIVE SPRING BOOT AND ANNOTATIONS

Monday

In this module you will gain insights into the [Springboot Annotations](#)

- A brief introduction to Maven and Gradle
- Introduction to Spring Boot
- Why Spring Boot is better than Spring
- What are Spring Annotations
- Hands-on important annotations like @Component, @Autowired, @Qualifier, and @Bean.
- Bean Scopes with Spring Boot
- Hands-on configure Bean Scopes in Spring Boot.

LIVE RESTFUL APIS AND API TESTING

Tuesday

In this module you will gain insights into the [CRUD](#)

- Introduction to APIs
- Why are APIs important in modern applications?
- Introduction to RESTful APIs
- RESTful API basics.
- Hands-on with different HTTP Methods in REST - (GET, POST, PUT, DELETE).
- How to use Postman

WEEK 2

(Java)

LIVE INTRODUCTION TO HIBERNATE, JPA AND JPQL

Tuesday

In this module you will gain insights into the **Hibernate**

- Introduction to Hibernate - What is Hibernate, JDBC
- Establishing a database connection with Hibernate
- A Brief Introduction to Java Persistence API (JPA)
- How JPA relates to Hibernate
- Creating a REST API with Hibernate
- Custom Queries with @Query Annotation

LIVE SPRING SECURITY

Wednesday

In this module you will gain insights into the **Spring Security**

- Introduction to Spring Security - Key Concepts and Features
- Configuring pom.xml for Spring Security
- Adding Authentication and Authorisation
- Role-based access control using both Security Config and Annotation

LIVE IMPLEMENTING JWT TOKENS

Wednesday

In this module you will gain insights into the **JWT Tokens**

- Introduction to JSON Web Tokens - JWT Basics
- Benefits of using JWT for security
- Configuring JWT in Spring Security
- Setting up JWT in a Spring Boot application
- Creating and Validating Tokens
- Fine-Grained Access Control
- Customise security configuration

WEEK 2

(Java)

LIVE INTRODUCTION TO MICROSERVICES

Thursday

In this module you will gain insights into the **Microservices**

- Overview of Microservices Architecture
- Monolithic Vs. Microservices Architecture
- Benefits and Challenges of Microservices
- Setting Up Microservices
- Configuring different Ports for Services
- Working with different databases for each services
- Inter-Service Communication
- Communicating Between Services using HTTP requests
- Using OpenFeign for Inter-Service Communication

LIVE SERVICE DISCOVERY AND COMMUNICATION -1

Thursday

In this module you will gain insights into the **Service Discovery**

- Introduction to Eureka Server
- Setting Up Eureka Server for Service Discovery
- Registering Services with Eureka
- Client side Load Balancing
- Implementing Load Balancing with Eureka

LIVE SERVICE DISCOVERY AND COMMUNICATION -2

Friday

In this module you will gain insights into the **Service Communication**

- Advanced Service Communication
- Overview of API Gateway - Using Spring Cloud Gateway
- Routing Requests Through API Gateway

WEEK 2

(Java)

LIVE RELATIONAL MAPPING

Friday

In this module you will gain insights into the **Relational Mapping**

- What is Relational Mapping?
- One-to-One Relationships
- One-to-Many Relationships
- Many-to-Many Relationships

WEEK 3

INTRODUCTION TO CLOUD COMPUTING AND AWS Monday

In this module you will gain insights into the **AWS**

- Cloud Computing Introduction
- AWS Fundamentals
- IAM

AWS COMPUTE SERVICES Monday

In this module you will gain insights into the **DEVOPS**

- Compute Services
- Details of EC2
- Networking in AWS
- EBS Volume

AWS STORAGE SERVICES Tuesday

In this module you will gain insights into the **DEVOPS**

- Object Storage
- Block Storage
- File Storage

AWS DATABASE SERVICES Tuesday

In this module you will gain insights into the **DEVOPS**

- RDS
- AuroraDB
- DynamoDB
- Redshift

AWS MONITORING AND SCALING / SERVERLESS Wednesday

In this module you will gain insights into the **DEVOPS**

- Monitoring and Scaling
- Load Balancers
- Serverless Compute
- Triggers and Source of Lambda
- Extra Services

WEEK 3



INTRODUCTION TO DOCKER

Wednesday

In this module you will gain insights into the **DOCKER**

- Problems in Deployment
- Introduction to Virtualization
- Introduction to Containerisation
- Implementation of Docker
- Docker basic Commands



UNDERSTANDING DOCKER (ADVANCE)

Thursday

In this module you will gain insights into the **DOCKER**

- Docker File
- Docker Build and Docker Push
- Docker Ports
- Docker Volumes
- Docker Networking
- Docker Compose file



INTRODUCTION TO TERRAFORM

Thursday

In this module you will gain insights into the **TERRAFORM**

- Introduction to Terraform
- Terraform Installation
- Terraform Registry
- Terraform Workflow
- Terraform Practical -1



UNDERSTANDING TERRAFORM (ADVANCE)

Friday

In this module you will gain insights into the **TERRAFORM**

- Terraform State file
- Terraform Variables
- Terraform Output
- Terraform Modules
- Terraform Remote Backend

WEEK 4

LIVE INTERVIEW PREPARATION

Monday

In this module you will gain insights into the Interview Environment

- How to present yourself? (confidence, smile, etc.)
- How to start the call? (greetings)
- How to answer the questions? (the way to put the words, calmness, etc.)
- Behavioral-based questions
- Scenario-based questions
- Other related questions

LIVE RESUME AND JD ANALYZING

Tuesday

In this module you will gain insights into the JD & Resume analyzing

- How to analyze the resume?
- How to analyze the JD?
- How to pick up the terms from both JD and resume
- How to prepare an introduction?

LIVE FAMILIARIZING WITH TOOLS (GOOGLE DOC)

Wednesday

A demo using Google doc

LIVE FAMILIARIZING WITH TOOLS (OTTER)

Thursday

In this module you will gain insights into the OTTER

- What is an otter?
- How to use an otter?
- A demo using Otter

WEEK 5

 **MOCK INTERVIEW WITHOUT ANY HELP**

Monday

 **MOCK INTERVIEW USING GOOGLE DOCS**

Tuesday

 **MOCK INTERVIEW USING OTTER**

Wednesday

 **FAMILIARIZING WITH TOOLS (OTTER)**

Thursday



ANCORA
imparo.

DETAIL PLAN

Everything you should know

KEY FEATURES

- Coverage of typical Software Development Process
- **49+** Hours of in-depth learning
- **28** Live sessions
- Slack Channel Communication Support
- Proactive Mentorship
- Project-Based Learning

PREREQUISITES

Prerequisites to take this course

Candidates must be from a technical background with a fair understanding of-
Linux Fundamentals

Computer Programming - Python/ Java

Fundamentals of SDLC

THANK YOU

Connect with us

