



Digital Lync

JOB READY PROGRAM

Get Your Offer Letter
within 24 weeks



INTERNSHIP

2 Months

100%

Placement Assurance

2000+

Students Placed

#GetJobReady2020

 www.digital-lync.com

 +918688444666

WHAT IS JOB READY PROGRAM?

A Customized Training program which explores the most relevant technologies and techniques providing robust coverage of the skills you need to get to your goal. Each course is tailored and aimed at the level of the students concerned; we cater for the complete spectrum of personnel. We are focused on helping you unlock your true potential and more.

WHO IS THIS PROGRAM FOR?

Fresh Graduates

Job Ready Program is a complete in-depth program for any final year and pass out students of B.sc/Btech/Mtech/MCA who are looking for assured job placements and be part of best companies around.



HOW IT WORKS



WHY DIGITAL LYNC?

Digital Lync commenced its journey in 2016 as an advanced technology hub and endeavors to identify the quest for learning within individuals to broaden the horizon of knowledge in the colossal technical arena. Digital Lync's mission is to empower the technology aspirants with current trends in digital and technical genre with suitable training for a continued competency. The training focuses not only to get the first job but to retain the job.



2000+

Students Enrolled

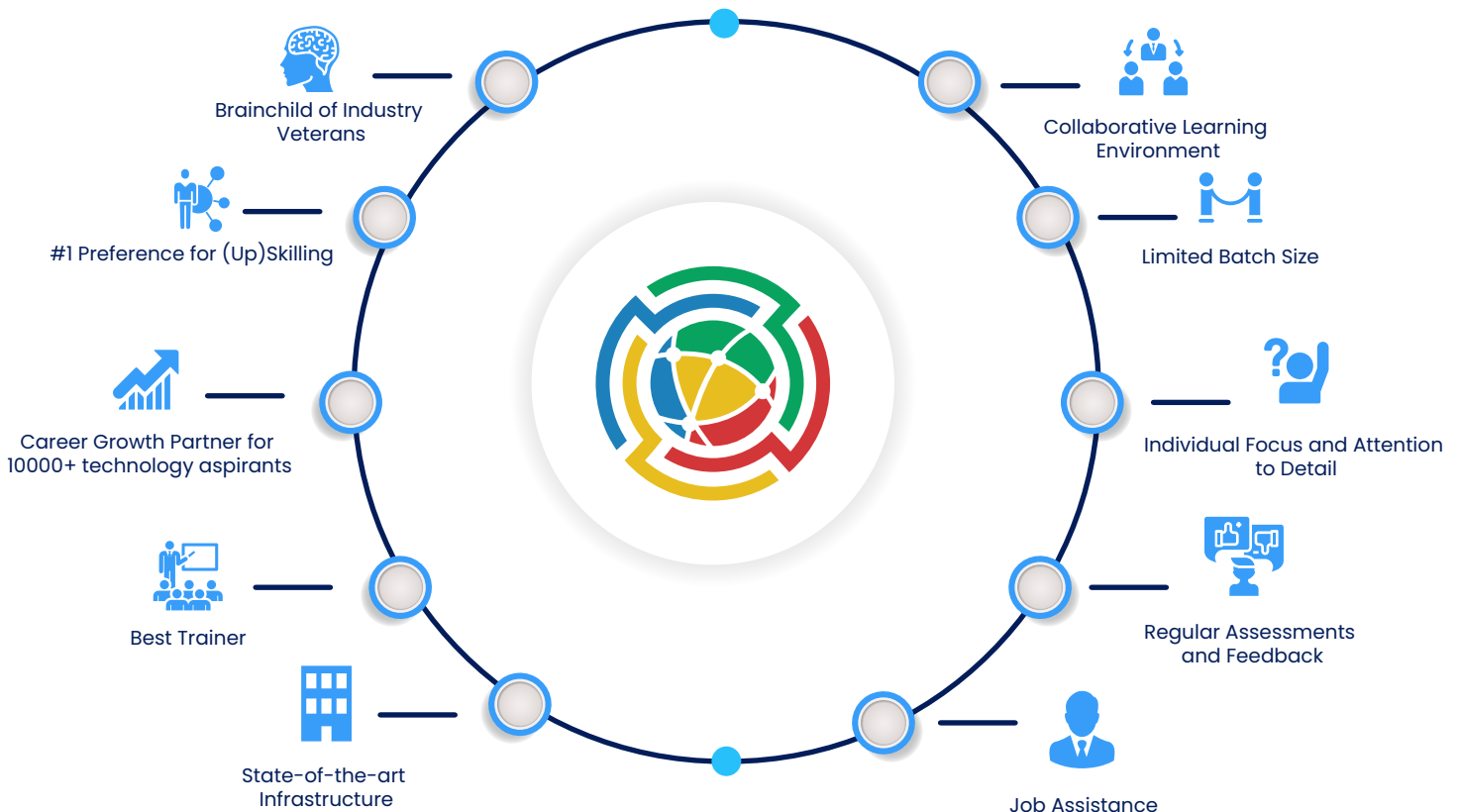
4.6 ★★★★★ (1247)

Ratings



100+

Batches



Industry Partners



DigitalLync Students are **Successfully Placed**



CAREER GROWTH PARTNER FOR 10000+ ASPIRANTS

CLOUD DEVOPS PRACTITIONER PROGRAM

About the Program

A Customized Training program which explores the most relevant technologies and techniques providing robust coverage of the skills you need to get to your dream job. This program includes cutting-edge technologies used by fortune 500 companies. This program teaches the critical skills required to design, develop, test and deploy dynamically scalable and reliable applications on the cloud. This course will give you the knowledge, skills and experience you will need to work on real time applications.

Objectives of the Program

- ✓ Get placed within 24 weeks.
- ✓ To develop real-time web applications such as E-Commerce, OTT Platforms.
- ✓ Get Placed in one of the growing companies within 24 Weeks.
- ✓ In-depth real time experience on Data Structures and Algorithms, Software Development Essentials, HTML5,CSS3, JS, TS, Angular.
- ✓ Ability to understand the real time issues and provide best technology solutions.

Program Features

- ✓ Get your offer letter within 24 Weeks of the program.
- ✓ Global Instructors with Industry Experience.
- ✓ Realtime case studies for every module.
- ✓ 24 * 7 Technical Mentor Assistance.
- ✓ 2 Month live Internship with fastest growing companies.
- ✓ Instructor led classroom training for 300 hours with online guided practice for 140 hours.
- ✓ Design, Develop, Test and Deploy applications on cloud.

PROGRAM CURRICULUM

Week Days

Mon–Thu

- Week 1**
Operating System
- Week 1-6**
Java Programming Language
- Week 6-11**
DevOps & AWS

Case Studies

ECommerce and OTT Platform

Paid Internship

2 Months

You will Be working as an Intern in one of our Partner Companies for 2 Months with stipend of ₹5000/Per Month.

Get Your Dream Job

Our Placement Manager will help you make your resume. Prepare you for interview to get you dream job.

Week Ends

Sat–Sun

- Week 1-7**
Data Structures & Algorithms
- Week 7**
Software Engineering Essentials

Internship & Placement Partners



Operating System (Week -1)

Objectives:

- ✓ To understand how different operating systems (Windows and Linux) work.
- ✓ Get Familiarity with the core concepts of Operating System.
- ✓ To understand memory management, security and efficiency.
- ✓ Develop OS Friendly applications
- ✓ Identifying the symptoms to potential problems you may encounter and learn how to fix them.

Topics:

1. Getting Started with Windows.
2. Understanding core components of an OS.
3. How OS work.
4. Memory Management.
5. Memory Optimization.
6. Processors,Registers and RAM.
7. File and File Systems
8. Instructions and Programs.
9. Process and Process Management
10. Threads and Concurrency
11. Interprocess Communication.
12. I/O Management
13. Introduction to Linux OS
14. File & Directory Management
15. Vi Text Editor
16. Utility Commands

17. Archives
18. User Group Management
19. File Permissions
20. Package & Service Management
21. Misc Commands

Outcome:

- ✔ Deep Understanding of different concepts of Operating Systems to develop OS Friendly Web Applications.

Java Programming (Week 1- 6)

Objectives:

- ✔ Understand the different core concepts of Java Programming
- ✔ Write Core java code confidently. You can develop desktop applications.
- ✔ Implement Data Structures and Algorithms efficiently using Java.
- ✔ Mastering Object Oriented Programming using Java.
- ✔ Obtain a solid understanding of what debugging and refactoring is and how to do it.
- ✔ Understand different types of Design Patterns for robust language.

Topics:

1. Getting Started with Java
2. History, Features and Importance of Java.
3. Environment Setup
4. Identifiers and keywords
5. Compilation, Execution of Java Apps.
6. Variables
7. Operators
8. Control Statements

9. Methods
10. Blocks and Constructor
11. Arrays
12. Strings, StringBuffer and StringBuilder
13. Object Oriented Programming
14. Inheritance
15. Polymorphism
16. Abstraction
17. Encapsulation
18. Abstraction
19. Packages
20. Regular Expressions
21. Wrapper Classes
22. Inner Classes
23. Type Casting
24. Collection Framework
25. Generics
26. Multi Threading
27. Exception Handling
28. IO Streams
29. Java Virtual Machine
30. Garbage Collection
31. Networking
32. Java 7 Features
33. Java 8 Features
34. Java 9 Features
35. Java 10 Features
36. Design Patterns

Outcome:

- ✓ Master of Java Programming Language.
- ✓ Use different Design Patterns efficiently based on the different requirements.
- ✓ Have the skills and understanding of Core Java to confidently apply for Java programming jobs.

Data Structures And Algorithms (Weekend 1 to 7)

Objectives:

- ✓ Learn everything you need to ace difficult coding interviews
- ✓ Master dozens of popular algorithms, including 6 sorting algorithms!
- ✓ Implement 10+ data structures from scratch
- ✓ Improve your problem solving skills and become a stronger developer

Topics:

1. Introduction to Data Structure & Algorithms
2. Linear and Non Linear DS
3. Recursion
4. Algorithm Run Time Analysis
5. Array
6. Linked List
7. Stack
8. Queue
9. Graph
10. Trees
11. Binary Tree
12. Binary Search Tree (BST)

13. AVL Tree
14. Binary Heap
15. Trie
16. Hashing
17. Sorting and Searching
18. Greedy Algorithm
19. Divide & Conquer
20. Dynamic Programming

Outcome:

- ✓ Gain Confidence for Coding Interviews.
- ✓ Learn The Most Practical and Popular Data Structures & Algorithms in-depth rather than a rushed course on Computer Science
- ✓ Get practice translating sudo code & implementing algorithms with Assignments and Solutions
- ✓ Get an intuitive understanding of how many of the popular algorithms and data structures behave

Software Engineering Essentials. (Weekend -7)

Objectives:

- ✓ To understand software process models such as waterfall and evolutionary models.
- ✓ To understand software requirements and SRS documents.
- ✓ To Implement different software architectural styles.
- ✓ Deep dive into software testing approaches such as unit testing and integration testing.
- ✓ Implementing Quality control and ensuring good quality software.

Topics:

1. Software Development Life Cycle
2. Software Development Processes, Models and Methodologies
3. Waterfall , RAD, Iterative, Spiral , V-Shaped SDLC Models
4. Software Design- Unified Modelling Language
5. Agile Software Development
6. How to build a quality software
7. Importance of software testing
8. Software Requirements and BRD Documents

Outcome:

- ✓ Attain best software practices and apply in real-time applications.
- ✓ Ability to choose application development models based on the application requirement.
- ✓ Ability to identify the minimum requirements for the development of application.
- ✓ Ability to develop, maintain, efficient, reliable and cost effective software solutions.
- ✓ Ability to critically think and evaluate assumptions and arguments.

DevOps and AWS (Week 6- 11)

DevOps

Objectives:

- ✓ Understand Continuous Delivery
- ✓ Automate the Software Development Lifecycle (SDLC)
- ✓ Automate the deployment process
- ✓ Reduce release time
- ✓ Release better software
- ✓ Build a highly available and fully scalable application

- ✓ Deploy microservices using Docker and Kubernetes
- ✓ Automate using Ansible and Chef

Topics:

Introduction to Devops

1. SDLC Models
2. Waterfall vs Agile vs DevOps
3. DevOps Practices

Cloud Computing for DevOps:

1. Introduction to Cloud Computing
2. Advantages of Cloud Computing
3. AWS
4. Google Cloud

LAMP Stack

1. Introduction to LAMP
2. Apache Web Server
3. Web Application Hosting
4. VirtualHosts
5. MySQL DB Setup
6. Nginx Load Balancing
7. Content Management System - Wordpress

Git- Version Control System

1. Introduction to Version Control System
2. Centralized Version Control System
3. Distributed Version Control System
4. Introduction to Git

5. Git Workflow

1. Branching

2. Git Ignore

3. Stashing Changes

4. Detached Head

5. Undoing changes

6. Source Code Repositories

7. Github Remote

8. Tagging

Build Management with Maven

1. Introduction to Build Management

2. Build Tools History

3. Ant

4. Building Projects using Ant

5. Introduction to Maven

6. Maven Objectives

7. Maven Central

8. Maven Build Lifecycle

9. Maven Projects Setup

10. Building Projects using Maven

SonarQube Analysis

1. Introduction to SonarQube Setup

2. Analyzing Source Code

3. Integration with Maven

NEXUS Repository Management

1. Introduction to Binary Repositories
2. Nexus Setup
3. Creating Repositories
4. Pushing build artifacts to Nexus

Jenkins- Continuous Integration and Delivery

1. Introduction to Continuous Integration & Delivery
2. Overview of Jenkins
3. Jenkins Setup
4. Plugins and its uses
5. Setting up your Build Jobs
6. Jenkins security
7. Automated Builds using webhooks
8. Code Quality Integration
9. Integrating Nexus
10. Distributed Builds / Master-Slave Configuration
11. Performing Continuous Delivery
12. Implementing Pipelines

Docker- Containerization

1. Introduction to Containerization
2. Monolithic vs Microservices Architecture
3. Virtualization vs Containerization
4. Docker Architecture
5. Docker Setup
6. Docker Registry, Image & Container
7. Managing Containers Life Cycle

8. Data Persistency & Docker Volumes
9. Networking with docker
10. Working with Docker images
11. Setting up three tier Application using docker
12. Building Custom Images

CHEF-Configuration Management

1. Introduction to Configuration Management
2. Configuration Management Advantages
3. Push Based vs Pull Based
4. Infrastructure As Code
5. Chef Architecture
6. Chef Server Setup
7. Chef Workstation Setup
8. Chef Distribution Kit
9. Chef Resources
10. Chef Cookbooks
11. Chef Attributes
12. Chef Roles
13. Chef Environments
14. Chef Supermarket
15. Chef Data bags

Ansible- Configuration Management & IAAC

1. Introduction to Ansible
2. Ansible vs. Other Tools
3. Introduction to YAML

4. Ansible Setup
5. Ansible Inventories
6. Ansible Ad-hoc Commands
7. Ansible Modules
8. Ansible Playbooks
9. Ansible Templates
10. Ansible Facts & Variables
11. Ansible Roles
12. Ansible Vault

Kubernetes- Container Orchestration

1. Kubernetes Introduction
2. Kubernetes Architecture
3. Kubernetes Setup
4. Pods, Services, Replication Controllers & Labels
5. Networking, Load Balancers
6. Updates, Auto scaling
7. Deployments, Jobs
8. Storage & Running Stateful Applications
9. Monitoring & Logging

Kubernetes- Container Orchestration

1. Introduction to Monitoring
2. Nagios Core
3. NRPE
4. Nagios Plugins

Outcome:

- ✓ Excel in delivering and deploying software using Git, Chef, Ansible, Jenkins, Docker, and Kubernetes .

Amazon Web Services

Objectives:

- ✓ Gain AWS Certified Cloud Practitioner certification
- ✓ Gain high level overview of Amazon Web Services
- ✓ Master of AWS Cloud Practitioner

AWS Overview

1. Fundamentals of Cloud
2. Fundamentals of Virtualization
3. Cloud Service Offerings
4. Cloud Deployment Models
5. History and Evolution of AWS
6. Overview of AWS Products and Services
7. Walk through of AWS Free Tier Account
8. AWS Global Infrastructure
9. AWS Terminologies

Identity Access Management

1. Account & Services Layer
2. IAM Overview
3. IAM Policies
4. IAM Users
5. IAM Groups

6. IAM Roles
7. IAM Best Practices
8. Hands On
9. Creating an IAM Policy
10. Creating an IAM User
11. Creating an IAM Group
12. Creating an IAM Role

Amazon Virtual Private Cloud

1. Networking Layer
2. Traditional Network Components
3. Amazon VPC Overview
4. VPC Features
5. Default VPC vs Custom VPC
6. VPC Routing Basics
7. Gateways
8. Subnets
9. Route Tables
10. NACL's
11. Security Groups
12. VPC Best Practices
13. VPC Best Practices
14. Creating a custom VPC
15. Creating an Elastic IP Address
16. Creating Subnets
17. Creating Internet Gateways
18. Creating Route Tables
19. Creating a Security Group
20. Network ACL Overview

Elastic Cloud Computing

1. Virtualization basics
2. Amazon EC2 Overview
3. Amazon Machine Images (AMI)
4. EC2 Instance Types
5. EC2 Instance Types
6. Userdata & Metadata
7. Amazon Elastic Block Store (EBS)
8. EBS Snapshots
9. Placement Groups
10. EFS
11. EC2 Best Practices
12. Hands On
13. Launch and connect to an EC2 Linux instance
14. Launch and connect to an EC2 Windows instance
15. Attaching EBS Volumes
16. EBS Snapshots
17. Create an AMI
18. Copy AMI & Snapshots to other regions
19. Userdata & Metadata
20. EFS
21. EC2 Best Practices
22. Hands On
23. Launch and connect to an EC2 Linux instance
24. Launch and connect to an EC2 Windows instance
25. Attaching EBS Volumes

26. EBS Snapshots
27. Create an AMI
28. Copy AMI & Snapshots to other regions
29. Userdata & Metadata

High Availability

1. High Available VPC Design
2. Introduction to Load Balancing
3. Generic Load Balancer - NGINX
4. Classic Load Balancer
5. Network Load Balancer
6. Application Load Balancer
8. Hands on
9. Implementing Generic Load Balancer - NGINX
10. Implementing Classic Load Balancer
11. Implementing Network Load Balancer
12. Implementing Application Load Balancer

Fault Tolerance

1. Introduction to Fault Tolerance
2. Launch Configuration
3. Auto Scaling Group
4. Hands on
5. Auto Scaling
6. Attach Load Balancer to Auto Scaling

Advanced VPC Techniques

1. VPC Peering
2. Bastion Hosts
3. Nat Gateway
4. Hands on
5. VPC Peering
6. Bastion Hosts
7. Nat Gateway

Databases

1. Databases Overview
2. Amazon Relational Database Service (RDS)
3. Amazon DynamoDB
4. Amazon Redshift
5. Amazon ElastiCache
6. Databases best practices
7. Hands On
8. Amazon RDS

Amazon Simple Storage Service(s3)

1. Amazon S3 Overview
2. S3 Buckets
3. Version Control
4. Amazon S3 Lifecycle Management
5. Auto Scaling
6. CloudFront and CDNs

7. Security and Encryption
8. Import/Export & Snowball
9. Amazon S3 Best Practices
10. Hands On
11. Create and access an Amazon S3 Bucket
12. Amazon S3 Version Control
13. Amazon S3 Lifecycle Management
14. Amazon CloudFront
15. Security and Encryption

Route 53

1. Amazon Route 53 Overview
2. Amazon Route 53 and DNS
3. Route 53 Routing Policies
4. Route 53 best practices
5. Route 53 costs and prices
6. Practice Assignment: Amazon Route 53 Hosted Zone
7. Hands On
8. Route 53 Hosted Zones Demo

Application and Monitoring Services

1. Simple Notification Service-SNS
2. Simple Queue Service-SQS
3. Simple Workflow Service-SWF
4. Monitoring - Cloudwatch
5. Auditing - Cloudtrail
6. Hands On

7. Amazon SNS
8. Cloudwatch
9. Cloudtrail

Deployment, Analytics and Hybrid Services

1. Elastic Beanstalk
2. Cloudformation
3. Kinesis
4. Elastic Map Reduce
5. Hybrid Systems

Outcome:

- ✓ Understand AWS Global Infrastructure. Regions, Availability Zones and Edge Locations
- ✓ Learn AWS Identity Access Management (IAM)
- ✓ Implement Virtual Private Cloud (VPC)
- ✓ Configure Security Groups
- ✓ Create EBS Volume and Attach it to EC2 Instance
- ✓ Create a Bucket in AWS & Operations with Objects (Files)

Outcome:

- ✓ Understand how MongoDB stores data
- ✓ Gain mastery of the most popular MongoDB interface.
- ✓ Write efficient queries for reading data
- ✓ Learn the purpose of each of Mongoose's functions
- ✓ Design effective NoSQL schema with both data nesting and lookups

Our Team



Manikanta Kona

CEO

Meet our CEO, Manikanta Kona who is a visionary leader whose mission is to provide world class education

Sai Kishore

CTO

Meet our CTO, Sai Kishore who is recognized for visionary role in bringing the benefits of Information Technology, skilling and employability.



Ganesh

Advisor

Ganesh is our advisor who is central to leading the team and assisting them to achieve its stated goals as part of the current initiative and overseeing its transition .

Sai Kumar

Full Stack Director

Sai Kumar is our Director of Full Stack Engineering and technical mentor, who is an expert in his field and will empower you to achieve your best.



LOCATIONS

INDIA



Gachibowli

2nd Floor, Plot No: 6-11, survey No., 40
Khajaguda, Naga Hills Rd, Madhura Nagar
Colony, Gachibowli Hyderabad, Telangana
500008



USA

#23664, Richland Grove Dr, Ashburn, VA
20148 Phone: +1-262-997-9000



Malaysia

11, Pusat Dagang Seksyen 16 Seksyen 16,
46350 Petaling Jaya Selangor, Malaysia

 www.digital-lync.com

 hello@digital-lync.com

 +91 86884 44666