



PG Program in Full Stack Web Development

ONLINE

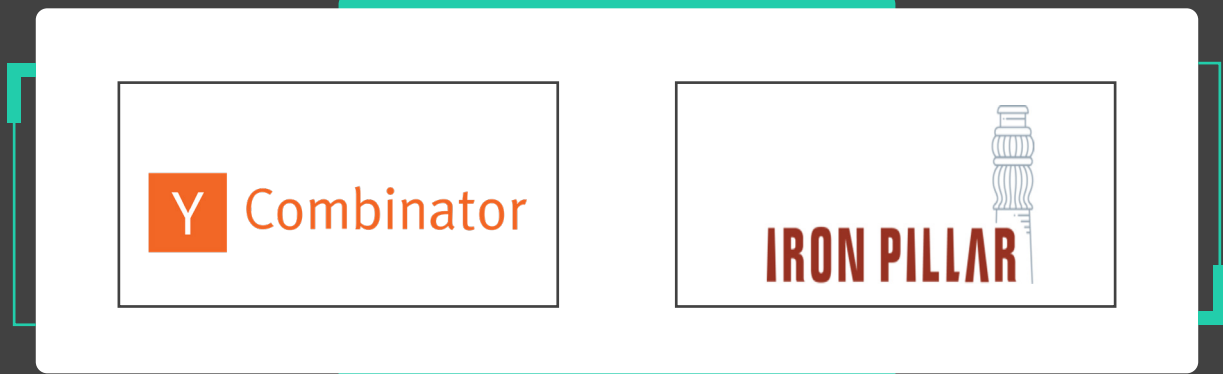


WHO ARE WE?

Skill-Lync is among India's leading edtech platforms dedicated to transforming engineering education. We equip young engineers with the latest skill sets and cutting-edge tools in new-age technologies.

The brainchild of two engineers from Chennai, Skill-Lync is on a mission to bridge the skill gap between aspiring professionals and industry's demands through job-oriented courses.

POWERED BY



LEADING COMPANIES THAT HAVE HIRED OUR STUDENTS





WHY LEARN WITH **SKILL-LYNC**?



JOB ASSISTANCE

for up to 10 interview opportunities; with technical assessments, mock interviews and resume preparation



CO-CERTIFIED BY N.S.D.C AND SKILL-LYNC



EXPERT MENTORSHIP

by domain specialists who will personally guide you with your coursework



PROJECTS FOR YOUR PORTFOLIO

that are implementations of real large-scale projects



INDUSTRY-RELEVANT CURRICULUM

drafted by subject-matter experts in the latest hardware and software tools



UNPAID INTERNSHIP

Internship opportunities (unpaid) for eligible students to build a strong portfolio



FORUM SUPPORT

for interaction with mentors & peers to get your doubts cleared



LIFETIME VIDEO ACCESS

for all lectures from Learning Management System (LMS)

[Know more about Skill-Lync](#)

[Take a look at our placements](#)



ABOUT THE PROGRAM



Duration: **Six months**



This comprehensive program comprising **six courses** helps you understand the technologies behind scalable web applications. On completion of the program, you will be fully equipped to develop, deploy and maintain an enterprise application.

SYLLABUS

The syllabus comprises two specialisations – **Frontend Track** and **Backend Track**, with a total of **six courses** across the two tracks.

1. The Complete Front-End Development - 2.0

- HTML5
- CSS
- Bootstrap
- Page Events
- JavaScript
- AJAX, JSON and XML

2. Angular Web Development for the Real World

- Course Overview, Prerequisites, & Introduction to Frontend Web Development
- Introduction to Angular Framework and Architecture
- Understanding Modules and Components
- Understanding Templates and Advanced Components Concepts
- Introduction to Services/Dependency Injection Concepts along with RXJS (Reactive Programming)
- Intercomponent Communication and External HTTP API Communication using Angular
- Understanding Directives and Styling Angular Application with Angular Material
- Understanding Pipes and Introduction to Forms
- Template Forms
- Reactive Forms
- Introduction to Angular Routing
- Unit Testing Angular Application and Debugging Code
- Useful Tips and Tricks for Building Real-World Angular Application

3. Data Structures and Algorithms using JAVA

- Introduction
- Arrays, Strings, and Lists
- Stacks and Queues
- Trees
- Heaps and Tries
- Graphs & Algorithms
- Sorting
- Searching and Hashing
- Greedy Algorithms
- Divide and Conquer
- Backtracking
- Dynamic Programming

4. Introduction to Java Programming 2.0

- Basic Constructs of Java Programming Language
- Object Oriented Programming
- Advanced Topics in Java

5. Everything about Database 2.0

- Introduction to Databases
- Creating Database Tables
- Introduction to RDBMS
- Database Design
- SQL
- NoSQL
- MongoDB Basics
- Redis
- PL/SQL
- More about Databases

6. Microservices using Java, Spring & Docker

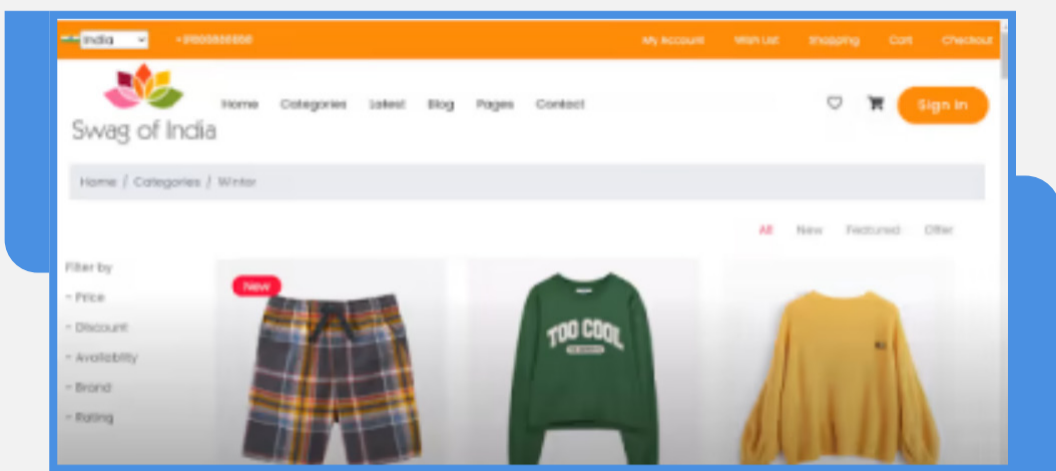
- Introduction to Microservices Architecture
- Microservices and Cloud
- Creating a Bank Application using Microservices
- Using Docker for Microservices
- Managing Configurations using Spring Cloud
- Discovering and Registering to a Service
- Building Resiliency in Microservices
- Cross-Cutting Concerns and Routing in Microservices
- Challenges with Distributed Logging Aggregation with Monitoring the Health
- Using Kubernetes for Scaling, Deployment and Self-Recovery
- Using Helm for Easier Installation and Packaging of YAML Files
- Spring MVC using Spring Boot



TOP INDUSTRY-RELEVANT PROJECTS

The syllabus is supplemented with **10 industry-relevant projects**, a few of which are listed below:

- Designing a professional-quality web portfolio



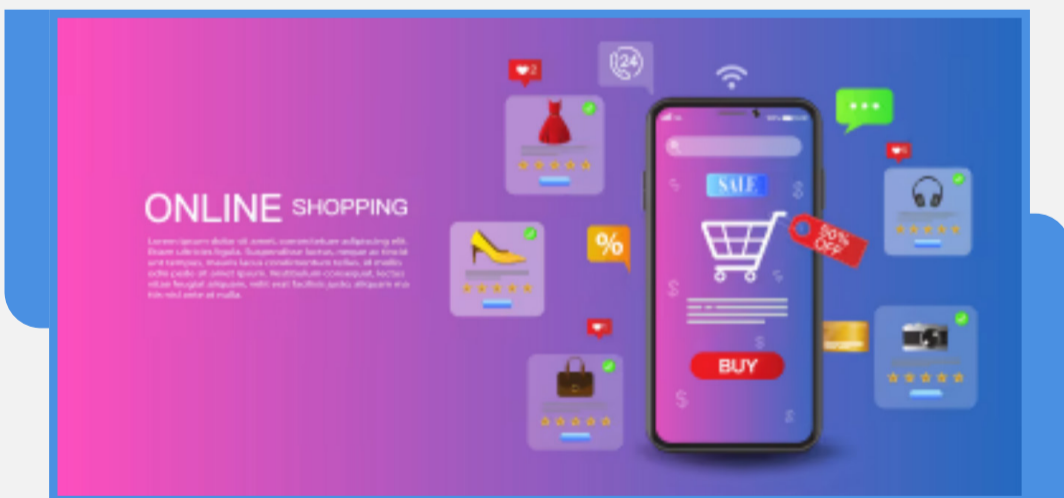
- Design and implement software



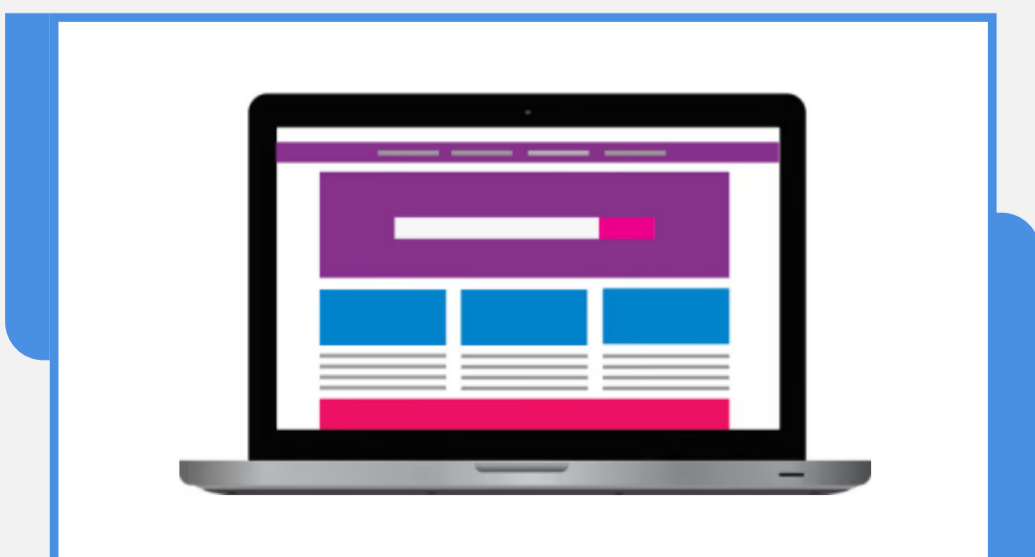
- Using microservice to get insurance policy from the banking app



- Enhancing an e-commerce app using Angular



- Designing an e-commerce database



[Click for more details about the program](#)



Tools you will learn:

Java, HTML5, CSS, Bootstrap, JavaScript, jQuery, AJAX, JSON, Eclipse IDE, Spring Tools 4, Docker, MySQL, MongoDB

JOB OPPORTUNITIES FOR YOU

Our program prepares you for top job roles like



Back-End Developer



Front-End Developer



Web Developer



Web Designer



Full Stack Developer

€ 2,997

per month for 10 months

BASIC

9 Month Access

€ 3,848

per month for 10 months

PRO

18 Month Access

€ 4,699

per month for 10 months

PREMIUM

Lifetime Access

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