FULL STACK DEVELOPER

MASTERS' PROGRAM

TestLeaf

Always Ahead

Overview

The most promising and job focused path to learn and implement full stack development from scratch in 6 Months

Impact

This course will definitely make your skill very competitive and sufficient for full stack developer role with high pay.

Program Head

GAJENDRAN GANESAPANDIAN

SENIOR MEMBER TECHNICAL STAFF -PAYPAL

21 YEARS OF IT EXPERIENCE

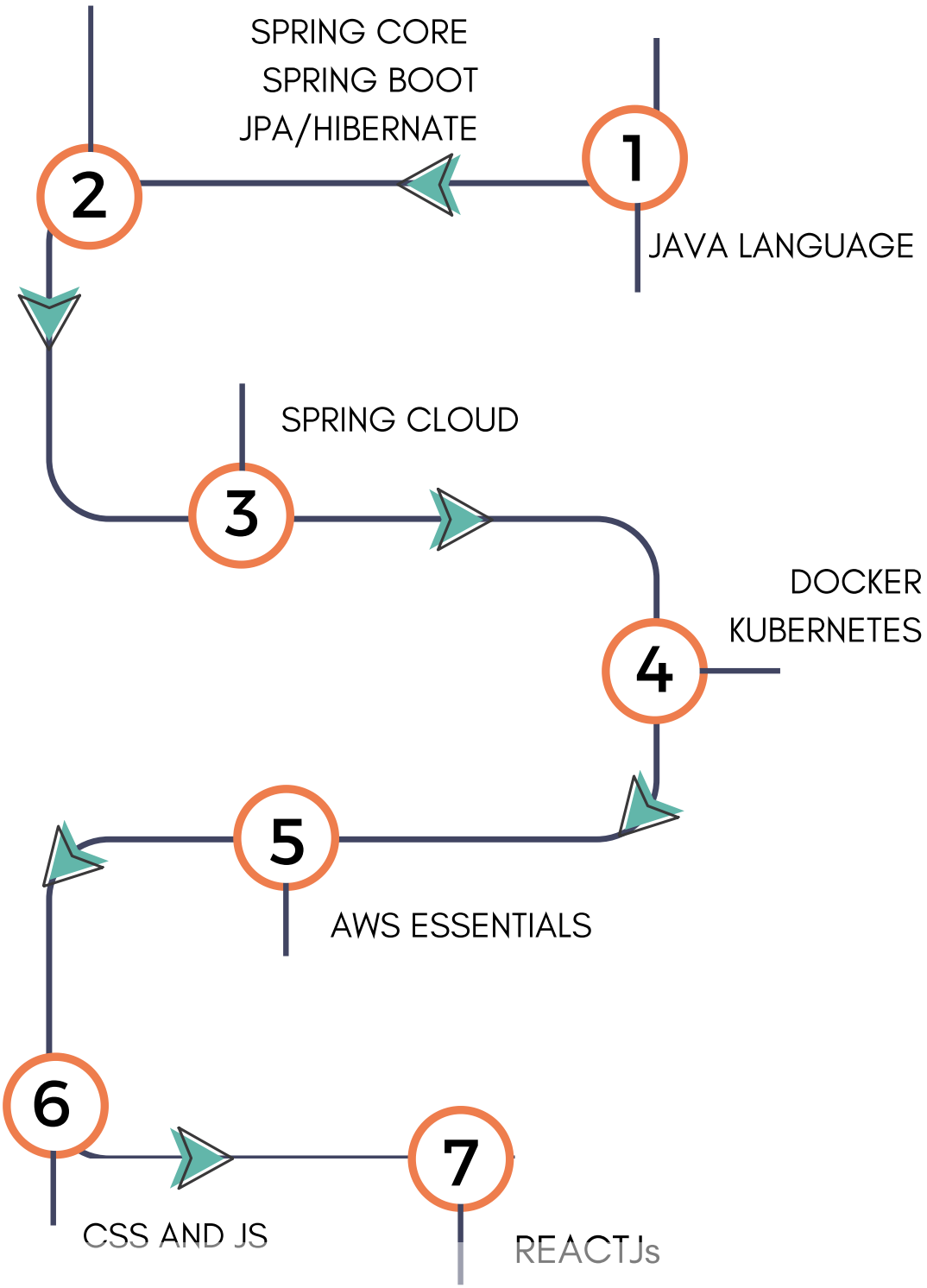
SENIOR COACH

About the program

In today"s world, the full stack developers involved in a horizontal technical requirement, so that they can make a prototype design for a product very rapidly with wide range of techniques. With the full stack-ability, the developer is expected to build front and backend technologies from scratch.

This 6 months program will make you skill up and be career-ready both in back and front-end technologies in Java and Javascript .

Learning Path



Key Features

- 400 Hours of Instructor LED Training
- A complete End to End Project Experience
- 1000+ Hours of Recorded Learning
- Highly Intense tech support systems
- Highly skilled and professionally experienced trainers
- Unlimited Mock Interviews and Interview Support

Target audience

This course is intended for anyone, who wanted to become full stack developer in Front/Backend development, HTML, CSS, Javascript, ReactJS, Spring Boot, Spring Cloud, AWS and Kubernetes.

1 2 3 4 5 6 7

Core Java

- Java intro
- JVM , JRE , JDK
- path and classpath
- primitive types
- operators
- program control flow
- Object Oriented programming
- this keyword , methodoverloading
- constructors
- static variable, methods, blocks
- arrays
- Inheritance and polymorphism
- Abstract classes and interface
- packages import access modifiers, autoboxing , varargs
- enums
- Generics
- java.lang Object,string and general classes cont
- Java exception handling
- java reflection
- Thread , runnable and lifecycle
- java memory model and volatile keyword
- synchronized keyword
- method lock and individual object lock
- java.util.concurrent - executor services
- java.util - general classes and collection api
- Generics - PECS
- java.io and java.net
- java annotations
- Lambda expression deep dive
- java.util.function - Lambda building blocks
- Method references - 4 types
- Stream API architecture
- Parallel streams
- callable and future and completable future
- java 8 nio apis and buffers and channels
- JDBC
- Junit

1 2 3 4 5 6 7

Spring core, Spring Boot and JPA/Hibernate

- Spring IOC container
- Spring wiring of beans
- XML , Annotation and javaconfig based configuration
- propery and profile
- Springboot and REST
- Richardson Maturity Model
- SPring boot autoconfiguration
- Spring 5 MVC
- JPA and Hibernate
- Transaction management
- Spring Test
- Spring Security oauth

1 2 3 4 5 6 7

Spring Cloud

- 12 factor application
- Spring cloud intro
- Spring Cloud config server
- Service Discovery - Eureka server
- Spring cloud loadbalancer
- OpenFeign
- Circuit breaker - Spring cloud Circuit breaker - Resilience4J
- Distributed Tracing -> Spring Cloud Sleuth and zipkin , LensUI
- Spring Cloud apigateway
- Spring Cloud streams

1 2 3 4 5 6 7

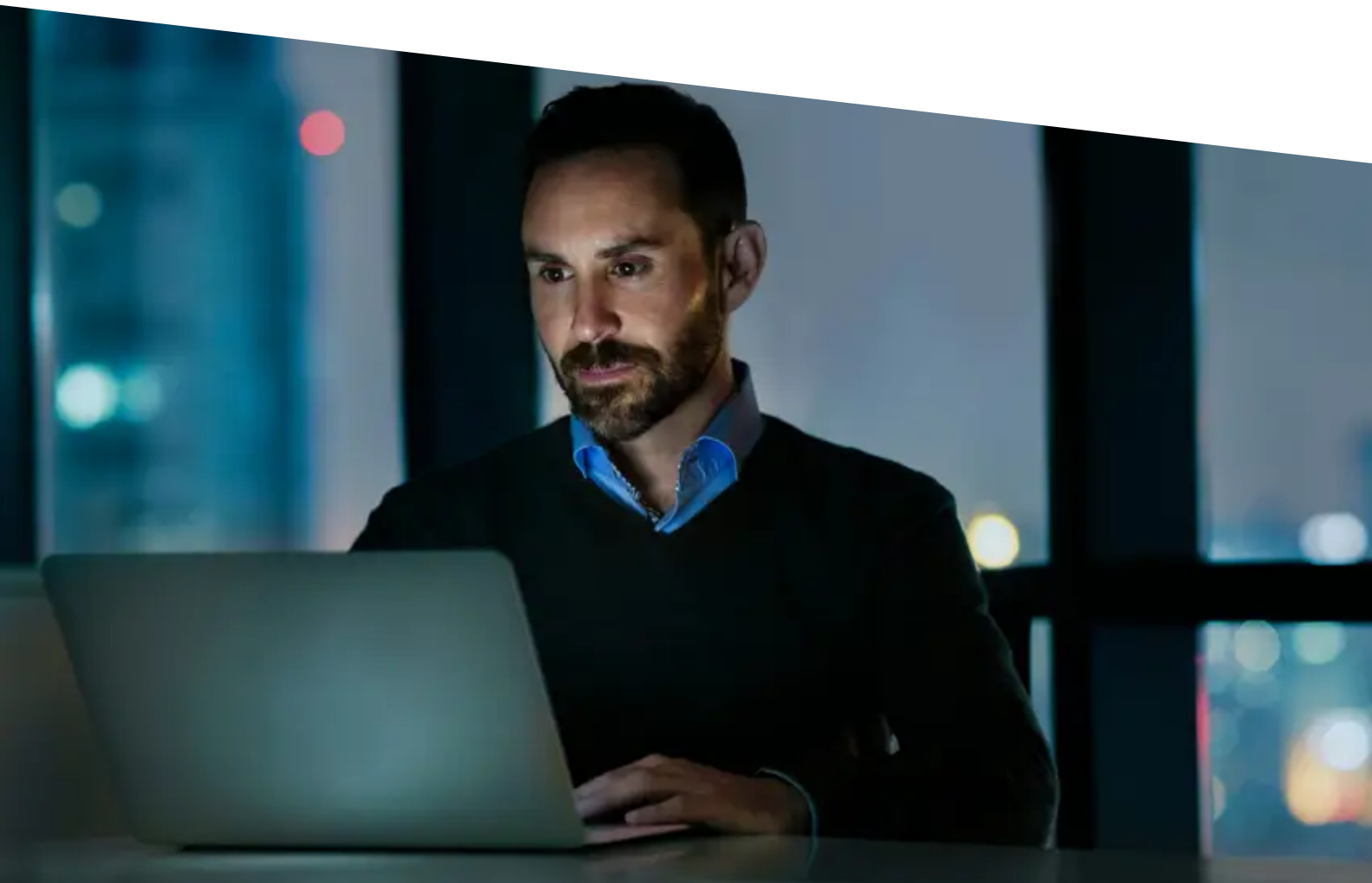
Docker and Kubernetes

- Docker introduction
- Building docker images
- Docker containers
- Docker compose
- Introduction to docker swarm
- Docker registry
- Continous integration(CI) introduction
- Jenkins
- Introduction to Kubernetes
- Kubernetes architecture
- Deploy the springboot appliction(with Spring cloud) in Kubernetes(Amazon EKS)

1 2 3 4 5 6 7

AWS Essentials

- AWS Regions and Availability Zones
- EC2 compute and EBS storage
- Cloud Storage - S3 , EFS
- VPC networking
- RDS
- IAM security
- Monitoring - CloudWatch
- EKS - Elastic Kubernetes service



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CSS and JS

- Build responsive websites with HTML5 and CSS3
- javascript basic building blocks
- Deeper dive on JS objects , arrays, functions
- server and client communicate over http asynchronously
- Object Oriented JS
- functional JS
- JS modules
- ES 6

1 2 3 4 5 6 7

ReactJs

- React introduction and Architecture
- React components
- React states and events
- Styling React components
- Debugging React apps
- working with fragments and protals
- reducers and context apigateway
- React hooks
- Redux(alternative to context api)
- Multi page SPA with React Router
- Next.js

Program Features

Great Coaches !

Quality Learning

Premium Career Support

Tons of Practice

Real-world projects

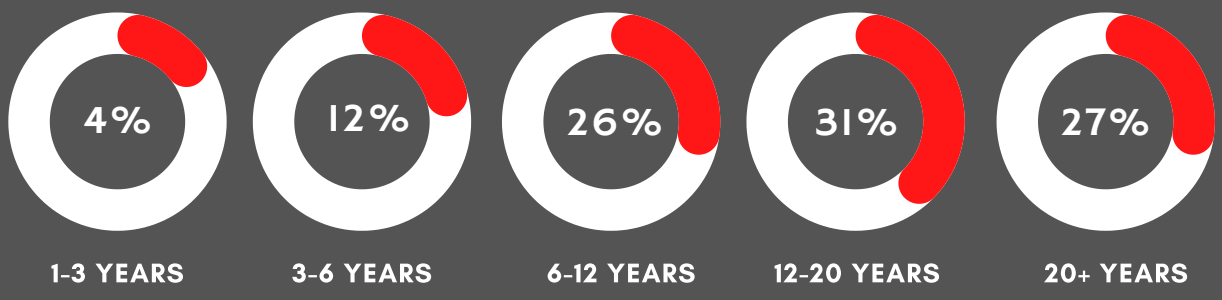
Build network

TOP COUNTRIES REPRESENTED

15000+ participants from over 31+ countries have benefitted from our programs.

WORK EXPERIENCE

The program has had Developers, DBA, Automation developer and Manager etc. participating



A Globally Connected Classroom

Cisco webex

zoom

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