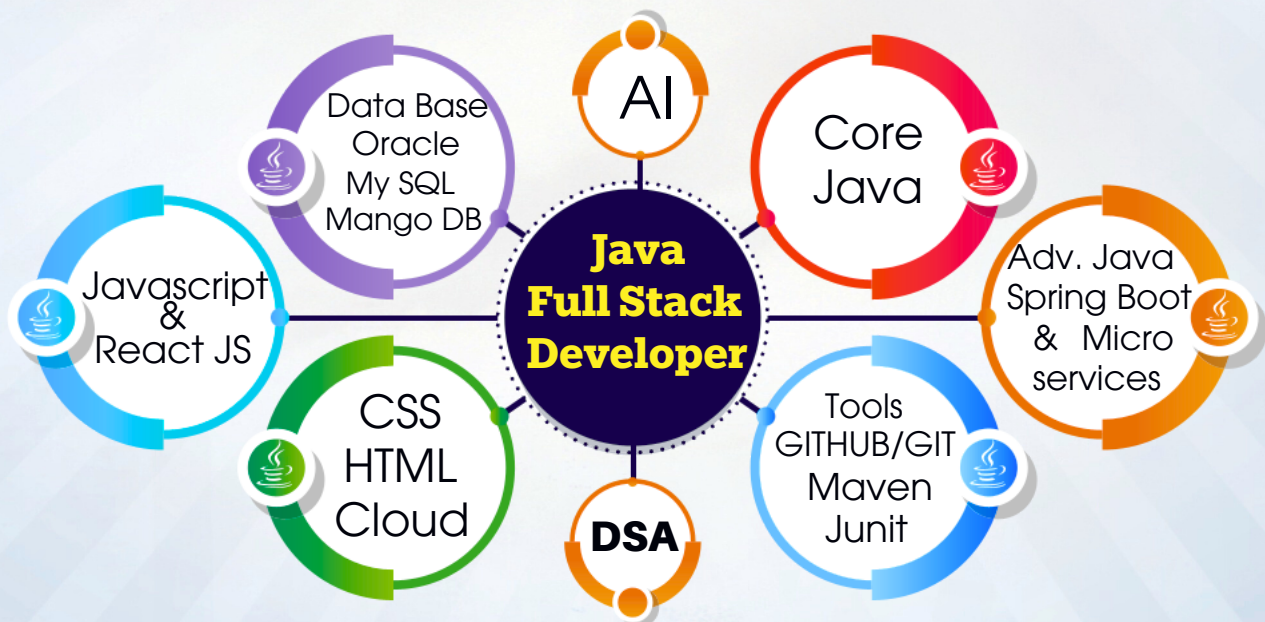




FULLSTACK JAVA

with SpringBoot + React + AWS + DevOps





JAVA FULL STACK COURSE CONTENT

INTRODUCTION

- WHAT IS FRONT END DEVELOPMENT
- FRONT END TECHNOLOGIES
- WHAT IS BACK END DEVELOPMENT
- BACKEND DEVELOPMENT TECHNOLOGIES
- WHAT IS FULL STACK DEVELOPMENT
- ROLES OF FULL STACK DEVELOPER

CORE JAVA

- WHAT IS PROGRAMMING LANGUAGE?
- TYPES OF PROGRAMMING LANGUAGES
- JAVA INTRODUCTION
- HISTORY OF JAVA
- PRINCIPLES OF JAVA
- JAVA INSTALLATION
- JAVA PROGRAM EXECUTION FLOW
- JDK VS JRE VS JVM
- JVM ARCHITECTURE
- IDENTIFIERS & KEYWORDS
- VARIABLES & DATA TYPES
- METHODS
- ARRAYS & STRINGS HANDLING
- OBJECT ORIENTED PRINCIPLES
- EXCEPTION HANDLING
- MULTI-THREADING
- FILE IO OPERATIONS
- WRAPPER CLASSES
- AUTO BOXING, UN-BOXING

- COLLECTION FRAMEWORK
- LAMBDA EXPRESSIONS
- FUNCTIONAL INTERFACES
- DEFAULT & STATIC METHODS
- METHOD REFERENCES
- DATE AND TIME API CHANGES
- JAVA 9 MODULE SYSTEM
- JAVA 11 FEATURES
- JAVA 17 FEATURES
- JAVA 21 FEATURES

ADVANCED JAVA

- JDBC
- SERVLETS
- JSP
- MVC ARCHITECTURE

SPRING BOOT & MICROSERVICES

SPRING FRAMEWORK

- WHAT IS FRAMEWORK
- TYPES OF JAVA FRAMEWORKS
- SPRING FRAMEWORK INTRODUCTION
- SPRING ARCHITECTURE
- SPRING MODULES OVERVIEW
- SPRING CORE MODULE
- IOC CONTAINER
- DEPENDENCY INJECTION
- SETTER INJECTION
- CONSTRUCTOR INJECTION
- FIELD INJECTION
- SPRING BEANS
- COMPONENT SCANNING
- BEAN LIFECYCLE
- BEAN SCOPES
- AUTOWIRING

SPRING BOOT

- SPRING VS SPRINGBOOT
- SPRINGBOOT INTRODUCTION
- SPRINGBOOT ADVANTAGES
- SPRINGBOOT APP CREATION
- STARTER POMs
- SPRINGBOOT INTERNALS
- @SPRINGBOOTAPPLICATION
- RUN () METHOD INTERNALS
- AUTO CONFIGURATION
- EMBEDDED CONTAINERS
- ACTUATORS
- RUNNERS
- PROPERTIES VS YML

SPRING DATA JPA

- DATA JPA INTRODUCTION
- ORM PRINCIPLES
- ENTITIES
- REPOSITORIES
- CRUDREPO
- JPAREPO
- FINDBY METHODS
- CUSTOM QUERIES
- GENERATORS
- QBE
- PAGINATION
- SORTING
- SPRING PROFILES
- ASSOCIATION MAPPING
- TRANSACTIONS

SPRING WEB MVC

- INTRODUCTION
- DISPATCHER SERVLET
- HANDLER MAPPER
- CONTROLELR
- MODEL AND VIEW
- VIEWRESOLVER
- VIEW
- THYMELEAF
- FORMS
- VALIDATIONS
- EMAIL SENDING
- LOGGING



SPRING REST

- DISTRIBUTED APPLICATION
- SOAP VS REST
- REST ARCHITECTURE
- REST PRINCIPLES
- HTTP PROTOCOL
- HTTP METHODS
- HTTP REQUEST
- HTTP RESPONSE
- STATUS CODES
- JSON DATA
- JACKSON API
- REST API DEVELOPMENT
- REST CONTROLLER
- QUERY PARAMETERS
- PATH VARIABLES
- REQUEST BODY
- RESPONSE BODY
- MEDIA TYPES
- POSTMAN
- SWAGGER
- EXCEPTION HANDLING
- REST REPOSITORIES
- RESTTEMPLATE
- WEBCLIENT

SPRING SECURITY

- AUTHENTICATION
- AUTHORIZATION
- IN MEMORY AUTHENTICATION
- USER DETAILS SERVICE
- AUTH PROVIDER
- OAUTH 2.0
- JWT

MICROSERVICES

- MONOLITH VS MICROSERVICES
- MICROSERVICES ARCHITECTURE
- SPRING CLOUD LIBRARIES
- SERVICE REGISTRY
- ADMIN SERVER
- ZIPKIN SERVER
- CONFIG SERVER
- FEIGNCLIENT
- LOAD BALANCING
- APIGATEWAY
- FILTERS
- ROUTINGS
- KAFKA INTEGRATION
- REDIS INTEGRATION

SPRING BATCH

SPRING SCHEDULAR



DATABASE

- INTRODUCTION TO DBMS
- ENVIRONMENTAL SETUP
- DATABASE COMMANDS
- DDL COMMANDS
- DML OPERATIONS
- DQL OPERATIONS
- INTEGRITY CONSTRAINTS
- SQL CLAUSES
- SQL OPERATORS
- SQL FUNCTIONS
- SUB QUERIES
- SQL JOINS
- PROCEDURES
- FUNCTIONS

HTML

- WEB DEVELOPMENT OVERVIEW
- HTML INTRODUCTION
- HTML DOCUMENT STRUCTURE
- HEADINGS & PARAGRAPHS
- TYPOGRAPHY
- HTML LINKS
- IMAGES IN HTML
- ATTRIBUTES
- LISTS
- HTML TABLES
- FORMS & INPUTS
- BLOCK & INLINE ELEMENTS
- DIVS & SPANS
- CLASSES & IDS
- IFRAMES
- HTML 5 SEMANTICS

CSS

- CSS INTRODUCTION
- BASIC CSS SELECTORS
- DEV TOOLS INTRODUCTION
- FONTS & COLORS
- BACKGROUNDS
- BORDERS
- BOX MODEL
- MARGIN & PADDING
- DISPLAY, ALIGNMENT & POSITIONING
- PSEUDO SELECTORS
- RESPONSIVE LAYOUTS
- INTRODUCTION TO FLEXBOX
- BUILDING RESPONSIVE WEBSITE



BOOTSTRAP

- BOOTSTRAP INTRODUCTION
- TYPOGRAPHY & UTILITY CLASSES
- BUTTONS & BUTTON GROUPS
- NAVBARS & NAVS
- LIST GROUPS
- FORMS & INPUTS
- INPUT GROUPS
- TABLES & PAGINATION
- ALERTS & SPINNERS
- CARDS
- CAROUSEL SLIDER
- COLLAPSE
- ACCORDION
- TOOLTIPS
- POPOVERS
- MODELS

JAVA SCRIPT

- INTRODUCTION TO JAVA SCRIPT
- SCRIPT TAGS
- CONSOLE OUTPUT
- VARIABLES
- DATA TYPES
- STRINGS MANIPULATION
- ARRAYS
- JAVA SCRIPT OBJECTS
- JSON
- ARRAYS
- LOOPS
- CONDITIONALS
- FUNCTIONS
- CONSTRUCTOR FUNCTIONS
- ES6 CLASSES
- WINDOW OBJECT & DOM
- DOM SELECTION
- DOM MANIPULATION
- EVENTS
- HANDLING FORMS

REACT JS

- INTRODUCTION TO REACT JS
- SPA VS MPA
- REACT VS ANGULAR VS VUE
- SETTING UP THE ENVIRONMENT (NODE.JS, NPM)
- CREATE REACT APP (CRA)
- FOLDER STRUCTURE OVERVIEW
- REACT ELEMENTS
- REACT DOM
- JSX
- REACT COMPONENTS
- PROPS
- VITE TOOL
- FUNCTIONAL COMPONENTS
- INTRODUCTION TO HOOKS
- STATE MANAGEMENT
- INTERACTION BETWEEN COMPONENTS
- CONTEXT API
- AXIOS
- FORMS IN REACT
- REACT ROUTING
- REACT HOOKS
- REDUX WITH FUNCTIONAL COMPONENT
- TESTING IN REACT
- DEPLOYMENT



AWS CLOUD

- WHAT IS IT INFRASTRUCTURE
- ON-PREM VS CLOUD
- AWS CLOUD INTRODUCTION
- AWS CLOUD SERVICES TOUR
- AWS ACCOUNT SETUP
- EC2
- LOAD BALANCER
- AUTO SCALING
- S3
- RDS
- IAM
- BEANSTACK
- AWS LAMBDA
- ROUTE 53
- BILLING MANAGEMENT
- CLOUD DEPLOYMENTS

DEVOPS TOOLS

- 1) MAVEN
- 2) GIT HUB
- 3) SONARQUBE
- 4) DOCKER
- 5) KUBERNETES
- 6) JENKINS
- 7) ELK
- 8) JIRA

COURSES OFFERING



**JAVA
FULLSTACK**



**PYTHON
FULLSTACK**



**UI
FULL STACK**



LINUX



**CLOUD
COMPUTING**



**DEVOPS
WITH AWS**



DSA



**SYSTEM
DESIGN**



**SOFTWARE
TESTING**



**CYBER
SECURITY**



**DATA
SCIENCE**



**DATA
ANALYTICS**

Our Recently Placed Students

Now it's Your Turn!

