SwiftNLift

Swift the solution, Lift the business

SWIFTNLIFT IT TECH

(SwiftnLift Media And Tech LLP)

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JAVA

Full Stack Syllabus

FRONTEND

Technologies

HTML

1. HTML Basics
2. Text Formatting
3. Lists
4. Links and Anchors
5. Marquee Element
6. Forms
7. Images
8. Div and Spans
9. Iframe
10. HTML Comments
11. CSS Linking
12. Audio, Video Tags

CSS

1. Introduction
2. CSS Selectors
3. CSS Properties
4. CSS Borders
5. CSS Margins and Padding
6. CSS Fonts
7. CSS Tables
8. CSS Background
9. CSS Images

BOOTSTRAP

1. Layout and Content
2. Bootstrap Components / Accordion
3. List group, Modal
4. Navbar Navs & Tabs, Pagination, Placeholders
5. Toasts, Tooltips, Bootstrap Utilities
6. Bootstrap Icons

JAVASCRIPT

1. Introduction to JavaScript
2. Variables
3. Data Types
4. Control Flow
5. Functions
6. DOM Manipulation
7. Using Popup Boxes
8. Methods in Js
9. Loops
10. Object Literals
11. Functions, Scope, this, try & Catch.
12. Methods, Events, Callback keyword

ANGULAR & TYPESCRIPT

1. What is Angular
2. Data Binding, Handling Events & Directives
3. Component Interaction, Input & Output Properties, Pipes, Services & Dependency Injection
4. HTTP Services and Observables
5. Routing in Angular
6. Bootstrap and Template-Driven Forms
7. Introduction to TypeScript
8. TypeScript Fundamentals
9. Advanced TypeScript

BACKEND

Technologies

CORE JAVA

1. Introduction to Java
2. Set Up Development Environment
3. Foundations of Java
4. Core Concept
5. Logic Building
6. Object-Oriented Programming (OOP)
7. Access Specifier / Modifier
8. Keywords
9. Input/Output (I/O) Streams
10. Exception Handling
11. Multithreading
12. Garbage Collection (GC)
13. Utility Classes
14. Framework
15. Java Features

ADVANCE JAVA

1. Introduction to Advanced Java
2. Java Database Connectivity (JDBC)
3. Java Servlets
4. Web Services and APIs

HIBERNATE

1. ORM
2. Hibernate Framework
3. Mapping Entities
4. Operations
5. Inbuilt Function of Hibernate
6. Criteria & Query

SPRING

1. Spring Framework
2. Spring Boot
3. Model-View-Controller (MVC)
   Spring Boot

SPRING BOOT AND MICROSERVICES

1. Creating Spring Boot Applications
2. Dependency Injection Spring Boot
   Annotations
3. Auto-Configuration
4. HTTP Methods Spring Boot
   Hibernate Integration
5. Building RESTFul APIs with Spring
6. Introduction to Microservices Architecture
7. Controller and REST Endpoints
8. Returning Plain Text or JSON Responses.
9. API Testing Using POSTMAN Application.

DATABASES

SQL (STRUCTURED QUERY LANGUAGE)

1. Introduction
2. Database Fundamentals
3. SQL Essentials
4. Installation
5. SQL Statements
6. SQL Query
7. Advanced SQL

MONGODB

1. Introduction
2. Mongo Shell
3. Documentation and Collection
4. Insertion
5. Query Operators
6. Mongoose
7. Schema, Models.

OTHERS

1. Git
2. GitHub
3. Project Deployment
4. AWS(Basics)
5. Cloud Computing(Basics)

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FOR MORE INFORMATION

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