

.NET Fullstack developer course

Duration: 90-120 Hours

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**DOTNET  
Fullstack****C#**

- ❖ Introduction to .NET 5.0 Introduction of C# Language,
- ❖ , Platform Dependence , Independence & Portability, Introduction of .NET Framework, Introduction of Compiler & MSIL, Introduction of CLR, Introduction of CLS, CTS, CLIType of Application of JAVA
- ❖ Data type using Primitive type and Derived class
- ❖ Operator and Conditional Statements (if, if— else, nested, else if, multiple if)
- ❖ Control Structure and Switch Statement, Nested Switch Statement
- ❖ Array (One dimension, Multidimensional, Jagged, Object)
- ❖ String class, String Buffer Class, String Builder Class
- ❖ OOP's Introduction, Class and Object, Type of Class, Inner class, Anonymous object, Generic Class, Data abstraction, Encapsulation, Polymorphism, Constructor, Garbage collector, Inheritance, Abstract class, Interface, base Keyword, this Keyword
- ❖ Exception Handling
- ❖ File Handling ,Reflection, Serialization and Deserialization
- ❖ Multithreading, explain Thread, Runnable, Collection Framework

**REST API using ASP.NET MVC WEB API**

- ❖ What is REST API
- ❖ What is WEB API
- ❖ What is JSON, JSON method in ASP.NET MVC
- ❖ Create REST API in WEB API using GET, POST, PUT and Delete Method
- ❖ Test API using Postman
- ❖ Login API Registration API
- ❖ File Uploading REST API in .NET
- ❖ Payment Gateway
- ❖ Mail API, SMS API, Chat Server Integration
- ❖ Consume API in React Application

**REACT Framework**

- ❖ Introduction to ReactJS
- ❖ Comparison of Different Version of React
- ❖ How to install React on machine
- ❖ React Project Structure
- ❖ React vs Angular
- ❖ React components
- ❖ What is Function Component and Class Component
- ❖ React Props & State
- ❖ REACT JSX
- ❖ React HOOKS
- ❖ React List and Keys
- ❖ React refs
- ❖ REACT CONSTRUCTOR
- ❖ Reacts Events
- ❖ React Internals
- ❖ Component inter communication
- ❖ Component composition

- ❖ Component styling
- ❖ Add styles to your components
- ❖ Forms in react, Template driven, reactive
- ❖ React Router and Single Page Applications
- ❖ More Redux and Client-Server Communication
- ❖ How to call REST API in React
- ❖ API using FETCH
- ❖ API using AXIOX

## Design tools

- ❖ HTML5,CSS3,JS,Jquery,Angular

## Database and SDLC

- ❖ SQL Query,Table,Relationship
- ❖ SDLC,E-R Diagram,DFD,CLASS Diagram, Use Case Diagram,SRS,Synopsys,Project Report



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