



# *. Net Development*

## **Console Application with Core C #**

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- ❖ Introduction of .Net
- ❖ CLR
- ❖ Just In time Compiler
- ❖ Assembly Concepts
- ❖ Syntax and Data Type Reference
- ❖ Classes and Objects
- ❖ Property Development
- ❖ Access Modifier
- ❖ Inheritance
- ❖ Abstract and Sealed Classes
- ❖ Interface
- ❖ Namespaces
- ❖ Partial Classes
- ❖ Collection Classes
- ❖ Boxing and UnBoxing
- ❖ Delegate in .Net
- ❖ File handling
- ❖ Windows Forms
- ❖ Web Pages

## **Asp.Net Web Development**

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- ❖ Managing IIS (Internet Information Server)
- ❖ Data transfer Between Server and Client
- ❖ Dynamic use of get Method
- ❖ Navigation from html to HTML Controls
- ❖ Concepts of Post Back in Asp .Net
- ❖ Previous Page Controls Concepts
- ❖ State management through View State
- ❖ Dynamic Event Merging
- ❖ Data Binding Concepts
- ❖ Rich Server Controls
- ❖ Dynamic Creation of Controls
- ❖ Dynamic Event Handling
- ❖ Validating Page through Validation Controls
- ❖ Separate Block of Validation
- ❖ Understanding Classes
- ❖ Generating and Consuming DLL
- ❖ Web user Control



- ❖ Generating Property within Classes
- ❖ Handling of Child Control in Parent
- ❖ XML Concept
- ❖ XSLT
- ❖ Using Master Pages
- ❖ Master Page Nesting
- ❖ Applying Navigation Controls, menu, Tree View
- ❖ Giving Sitemap
- ❖ Themes
- ❖ Error Handling in Web Pages
- ❖ Cookies Handling
- ❖ Implementing Sessions
- ❖ Caching
- ❖ Partial Caching
- ❖ Web Security
- ❖ Login Controls
- ❖ DB Operation by Ado.Net
- ❖ Data Provider
- ❖ Connected Mode Architecture
- ❖ Create, Insertion, Updating in Tables
- ❖ Parametrize Queries
- ❖ Binding Controls to database
- ❖ Working in Disconnected Mode Architecture
- ❖ Using Data Templates
- ❖ Using Multiple tables
- ❖ Implementing Joins and Views
- ❖ Implementing Stored Procedures
- ❖ Data Controls
- ❖ Managing Master Child relationship in Data Controls
- ❖ Providing Navigation Facility Within Grid
- ❖ Key Field Editing in Grid
- ❖ Paging in Grid View
- ❖ Formatting Grid View
- ❖ Form View and Detail View Control

## SQL Server

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- ❖ Making DB
- ❖ Make Table
- ❖ Drop Statements
- ❖ Alter table
- ❖ Giving Constraints
- ❖ Select Statements
- ❖ Insert, Update and Delete Statements



- ❖ Sub Query
- ❖ Using Like, Between, In, Null Operators
- ❖ Generating Views
- ❖ Stored Procedure
- ❖ Function
- ❖ Transactions
- ❖ Triggers
- ❖ XML
- ❖ Data Integrity
- ❖ Making Relationship

## **Using Advance Features in Web Development**

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- ❖ Security using Database
- ❖ Web Services
- ❖ Crystal Reports
- ❖ Add Crystal Reports
- ❖ Access Reports through Web
- ❖ Applying Run time query in Reports
- ❖ Generating Web Assembly and Deployment
- ❖ Web Hosting
- ❖ Remote Server Management

## **Rich Internet Application (RIA)**

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- ❖ LINQ
- ❖ LINQ to SQL
- ❖ Multi Tier Architecture

## **Developer Level Client Side Interaction (Advance Java Script)**

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- ❖ Managing Run-time CSS
  - ❖ Rich Java Script Animation
  - ❖ Menu through Java Script
  - ❖ Applying JavaScript on Server Controls
  - ❖ Implementing Run-time JavaScript by Server Side Programming
  - ❖ Integrating java Script with Database
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## Advance AJAX

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- ❖ Database Operation by AJAX
- ❖ Drop-down Effect by Ajax using DB
- ❖ Ajax Implementation using .net interface Method
- ❖ Integrating Ajax Toolkit

## Power Sessions

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- ❖ Sending Email by Domain Account
- ❖ Sending Email by GMAIL Account
- ❖ Implementing Web Service on Html Page
- ❖ XML in Advance Mode

## N - Tier Architecture

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- ❖ Development in Multi Tier Architecture
- ❖ Database and Business Component Classes
- ❖ Implementing DAL and BAL
- ❖ Implementing Static and Non Static Methods of DB Layer
- ❖ Dynamic Binding of Data Controls through DAL and BAL
- ❖ Using Microsoft Business Component
- ❖ Developing N-Tier using XSD

## .Net Developer – The Data Guru

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- ❖ Working with Data View
- ❖ Data Table Class
- ❖ Relationship on Data-set
- ❖ DB Modification through Data-set
- ❖ Using Transaction
- ❖ Giving Insertion facility in Grid View
- ❖ Using Drop-down in Default Mode of Grid-View
- ❖ Drop Down Event Handling in Grid-View
- ❖ Heretical Grid Operation
- ❖ Understanding Template Structure in Grid View
- ❖ Editing in Grid View by Manual Code
- ❖ Updation in Grid View by Manual Code
- ❖ Deletion in Grid View by Manual Code
- ❖ Passing data to Session within Grid View
- ❖ Providing Manual Sorting in Grid View
- ❖ Dynamic Indexing in Grid View
- ❖ Defining unbound Data Grid



- ❖ Giving Editing, Updation facility in Unbound Grid
- ❖ Giving deleting facility in Unbound Grid
- ❖ Transferring data of unbound grid to Database
- ❖ Showing Product catalog in Data List

## Developer Leadership Skills

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- ❖ RSS Feed
- ❖ Consuming RSS Services
- ❖ Advance Search Concepts
- ❖ Storing Images in Database
- ❖ Retrieving Images through DB
- ❖ File Uploading within Grid View
- ❖ Apply security on forms by Using Captcha Control
- ❖ Binding Images in grid without database
- ❖ Applying Data Filters in Grid
- ❖ Sending Pictures in Email