

DotNet Web Developer Training Program

Introduction/Summary: This 5-day course focuses on understanding and developing various skills required by Microsoft technologies based .net Web Developer. Theoretical and practical content from numerous topical areas is covered in this course. This is a comprehensive and intensive course with plenty of illustrated examples and augmented with practical hands-on exercises.

Training Type: Online training/Classroom training

Audience: This course is intended for anyone who is from Computer Science background and has some experience developing applications using Microsoft technologies.

Duration: 40 hrs

Training Timings: At this point all courses will be Weekend or Weekdays depending upon the availability of the Trainer. We are going to schedule some orientation sessions (depending upon how many people want to attend) and first class is always free.

Faculty:

- Landmark has a pool of highly experienced working professionals who serves as faculty. They have years of real industry experience.
- Candidates are always welcome to speak to faculty.
- We have 4 Full Time Trainers with our Company who are available for consultation.
- We have a Training Manager who will guide you in every way and our Training Manager will discuss with you on the best possible Options based on current market conditions.

Approach: Instructor-led participative lecture with group exercises.

Cost: This training programme is absolutely **free**.

Accommodation: If needed, Accommodation will be provided to the trainees. Advance refundable deposit of \$1000.00 required.

During And After Training Period Landmark Technologies:

- During the training period we help updating your profile.
- After training you will be placed with our client companies which include Fortune 1000 companies.
- Once you are placed on project you will be paid competitive salary. Percentage option offered after 1 year.
- Landmark Technologies, Inc. also will cover cost of your insurance package on salary option.
- Salary review after every 6 months, Paid Leaves, Authorized Overtime, Performance Pay, Green Card sponsorship depending on your performance.

Referral Fee: Referral fee of \$500/trainee, paid on placement.

**421 7th Avenue, Suite 1007 New York, NY 1001 Phone: (212) 863 9741 Fax: (212) 504 8320
info@landmark-technologies.com**

Objectives:

- Introduction and Overview of Microsoft .net Development Environment
- Getting started with development
- More about Web Development
- Master Pages
- Other ASP.Net Web development topics
- Security
- Creating and Using Web services
- Deployment
- Performance and Cache
- Advanced Concepts

Course Content:

Outline Module 1: Introduction and Overview of Microsoft .net Development Environment

Web and Windows Application
Development done previously VB/ASP
.Net Development Paradigm
Windows Forms and Web Forms
ASP.NET, CLR, .Net Framework, Namespaces, Classes, Objects, Compiling,
Deployment, Signing and Tools used to develop, Versions .net 3.5/ASP.net
Benefits - What's New in ASP.NET and Web Development
Getting Started with Visual Web Developer Express
Understanding the ASP.NET Infrastructure

Outline Module 2: Getting started with development

Creating a Web Forms User Interface
Using ASP.NET Controls
Understanding More about Events and Post back
Understanding Web Application State
Debugging and Tracing Your Website

Outline Module 3: More about Web Development

Use Cascading Style Sheets for Web Page Layout?
Data binding to User Interface Controls
Working with the Grid View and Form View
Use Validation Controls in ASP.NET?
Make HTML elements accessible from server side code
Add JavaScript to an ASP.NET Page
Add JavaScript Event Handlers to ASP.NET Server Controls
Share Data between Client JavaScript and Server Code Using a Hidden Field
Event Handlers in ASP.NET Web Pages and Controls
Create and Use Application Level Events in ASP.NET
Implement a Cross Page Post Back in ASP.NET

Pass Information from One Page to Another Using a Query String
Use a Hidden Field to Store and Manipulate Client-Side Information

Outline Module 4: Master Pages

Work with Master Pages Declaratively and Programmatically
Handle Events in Master and Content Pages
Work with Nested Master Pages to Create Standard Content Layouts
Working with Style sheets and Master Pages

Outline Module 5: Create Data-Driven Web Sites

Create Data-Driven Web Sites?
Use the ObjectDataSource with a Data Access Class and Business Object
Use the Reponse.Filter Property to Replace HTML in an ASP.NET Page
Implement Command Buttons for Individual Items
Add Controls to an ASP.NET Web Page Programmatically

Outline Module 6: Other ASP.Net Web development topics

Create a Custom User Control in ASP.NET?
Use Control State to Persist Information for a Custom Web Server Control
Save and Load View State Information for a Custom Web Server Control
Utilize the CSS Friendly Control Adapters?
Use Skins with CSS for a Flexible and Maintainable ASP.NET Web Site

Implement Site Navigation in ASP.NET?
Read, Write, and Delete Cookies in ASP.NET

Implement Tracing in an ASP.NET Web Site?
Implement an HttpModule?
Handle Application Events using an HttpModule?
Implement URL Rewriting?

Create and Use a Custom Configuration Section in an ASP.NET Configuration File
Configure an ASP.NET Web Site for a .NET Framework Version
Use the Ability to Create Groups with the ListView Control for Different Data
Use Roles to Segment Functionality in an ASP.NET Web Site
Extend and Customize an ASP.NET Server Control for a Specific Purpose

Customize my Site with Profiles and Themes?
Utilize Web Parts and Personalization?
Create User Selectable Themes for a Web Site
Detect Browser Capabilities in ASP.NET Web Pages
Map an ASP.NET Server Control to the Adaptor Used to Render It
Use the aspnet_merge.exe Utility to Merge Assemblies
Use the Fixednames Option with the Compiler Utility for Maximum Flexibility

Set Up the SQL Membership Provider
Create a Custom Membership Provider?
Create a Custom Profile Provider?

Implement a Custom Health Monitoring Event
Implement Health Monitoring for an ASP.NET Application?
Create a Custom Provider for Logging Health Monitoring Events
Write Web Events to a SQL Server Database Using the SqlWebEventProvider

Use ASP.NET to Send Email from a Web Site
Send Email Asynchronously with ASP.NET
Embed an Image in an Email with ASP.NET
Send Templated Emails for Health Monitoring Events in ASP.NET
Implement Error Handling when Sending Email with ASP.NET
Configure Email Notification for Health Monitoring on an ASP.NET Web Site
Create a Reusable Component for Sending Email to a Distribution List

Simple File Uploads in ASP.NET
Multiple File Uploads in ASP.NET
File Uploads with an AJAX Style Interface

Use the FtpWebRequest Class to Create an FTP Connection to a FTP Server
Export Data to a Comma Delimited (CSV) File for an Application like Excel

Outline Module 7: Security

Website Security - Secure my Site using Membership and Roles?
Windows Application Security

Outline Module 8: Creating and Using Web services

Determine Whether to Use a Web Site or a Web Application Project
Create and Call a Simple Web Service in ASP.NET

Outline Module 8: Deployment

Configuring, Building and Deploying a Web Site
Precompile an ASP.NET Website
Deploy a Web Site Using the Copy Web Site Tool
How Do I Use the ASP.NET IIS Registration Tool to Configure ASP.NET
Use a Visual Studio 2008 Web Deployment Project

Outline Module 9: Performance and Cache

Use OutputCache to Cache an ASP.NET Page
Cache Portions of an ASP.NET Page
Control the Caching of an ASP.NET Page Based Upon Custom Information

Outline Module 10: Advanced Concepts

Generics
Delegates
Anonymous & Extension Methods
LINQ

Contact Us:

Landmark Technologies, Inc.
421 7th Avenue, Suite 1007
New York, NY 1001
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training@landmark-technologies.com