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## **Introduction**

Daniela has been in the IT Industry since 1996. She received her B.S. degree in Aeronautical Engineering from The Ohio State University. Daniela was employed by Caspian Software for seven years in the position of Senior Technical Instructor specializing in application development training. Her extensive technical experience includes: enterprise and web application design and development, database design and implementation, and industrial process tracking.

Daniela brings a number of years of real-world development to the classroom. Her experience in building web and windows based software applications includes many current technologies such as Visual Basic.NET, C#, and the Microsoft .NET platform. She is also proud to have been involved in bringing Microsoft's .NET vision to central Ohio businesses by delivering the first .NET training courses offered in the area. Daniela currently holds the position of CEO with developersDen, a technical training and consulting services provider, and Microsoft Certified Partner with competencies in Custom Development Solutions and Data Management Solutions, located in Castle Rock, Colorado.

## **Skills**

### **Programming Languages/Technologies**

C# .NET, Visual Basic.NET  
VBScript, JavaScript, Transact-SQL,  
ASP.NET, ADO.NET, XML Web Services

### **Industry Certifications**

Microsoft Certified Trainer (MCT)  
Microsoft Certified Application Developer (MCAD for .NET)  
Microsoft Certified Solutions Developer (MCSD for .NET)  
Certified Technical Trainer (CTT)



## **Courseware Development**

Developing COM Components using Visual Basic 6  
Introduction to Visual Basic.NET  
Introduction to C# .NET

## **Training Experience**

### Visual Studio 2005

2541 - Core Data Access Development with Visual Studio 2005  
2542 - Advanced Data Access Development with Visual Studio 2005  
2543 - Core Web Application Development with Visual Studio 2005  
2544 - Advanced Web Application Development with Visual Studio 2005  
2546 - Core Windows Application Development with Visual Studio 2005  
2547 - Advanced Windows Application Development with Visual Studio 2005  
2548 - Core Distributed Application Development with Visual Studio 2005  
2549 - Advanced Distributed Application Development with Visual Studio 2005

### Microsoft Official Courseware

2559 – Introduction Microsoft Visual Basic .NET Programming  
2373 – Programming with Microsoft Visual Basic .NET  
2415 – Programming the Microsoft .NET Framework with Visual Basic .NET  
2565 – Developing Microsoft .NET Applications for Windows using Visual Basic .NET

2500 – Introduction to XML and the Microsoft .NET Platform  
2663 – Programming with XML in the Microsoft .NET Framework

2640 – Upgrading Web Development Skills from ASP to Microsoft ASP .NET  
2310 – Developing Web Applications Using Visual Studio .NET  
2524 – Developing XML Web Services Using Microsoft ASP .NET  
2366 – Developing High Performance and Scalable Web Applications

2609 – Introduction to C# Programming with Microsoft .NET  
2124 – Programming with C#  
2349 – Programming the Microsoft .NET Framework Using C#  
2555 – Developing Microsoft .NET Applications for Windows using C#

2389 – Programming with ADO.NET  
2350 – Securing and Deploying Microsoft .NET Assemblies

2071 – Querying MS SQL Server 2000 with Transact-SQL

2364 – What's New in Microsoft Visual Studio 2005 for Existing .NET Developers  
3201 – What's New in Microsoft ASP.NET 2.0 for Existing ASP.NET 1.0/1.1 Developers



## IT Courseware

Introduction to XML

## AppDev Technical Publishing

Building Windows Applications with C# 2005/VB.NET 2005

ASP.NET 2.0 with C# 2005/VB.NET 2005

Object Oriented Programming with C# 2005/VB.NET 2005

## Webucator Technical Publishing

Introduction to T-SQL for SQL Server

## **Presentations and Publications**

*Microsoft .NET – One Year Later* - Central Ohio Chapter STC, Jan/Feb 2003

*C# an Overview* – Columbus ICC 2003

## **Awards and Recognitions**

*Outstanding Woman in Technology* – TopCat 2002

Authorized by Microsoft, to deliver the *.NET Developer's Tour* training sessions

## **Project Experience**

### ***PBI Eclipse*** – Pharmaceutical Buyers, Inc

Role: Development Mentor

Description: This project consisted of the complete re-design of an in-house enterprise-level application which provides CRM and contract management capabilities. The system analysis and design utilized a modified RUP process and is being implemented as an n-tier, data-driven, application utilizing Microsoft .NET 2.0. The data layer was built against SQL Server 2005 leveraging ADO .NET 2.0, SQL Server 2005 Integration Services and SQL Server 2005 Reporting Services. Presentation functionality leverages ASP .NET 2.0 and Windows Forms and all application logic was coded using C# 2.0.

Responsibilities:

- Provided technical direction for the development team
- Implemented the systems design utilizing C#



### ***apPRINTice Pro*** – developersDen, Inc

Role: Lead Developer

Description: This project consisted of a Microsoft .NET Windows-based application suite providing CRM, job estimation, invoicing, and reporting capabilities which is being marketed to the printing and imaging industry. All application logic was coded using C#.

Responsibilities:

- Gathered and documented all user requirements
- Co-authored the overall system design and detailed design documents
- Implemented the systems design utilizing C#

### ***Lenticular Pro*** – developersDen, Inc

Role: Lead Developer

Description: This project consisted of a Microsoft .NET Windows-based imaging application which is being marketed to the printing and imaging industry. All application logic was coded using C# and leveraging GDI+.

Responsibilities:

- Implemented the systems design utilizing C#

### ***Contact Management System*** – Reliance Trade Bindery

Role: Lead Developer

Description: This project consisted of a data-driven, Windows-based application utilizing Microsoft .NET. All application logic was coded using C#.

Responsibilities:

- Gathered and documented all user requirements
- Co-authored overall system design and detailed design documents
- Implemented the systems design utilizing C#

### ***Learning Management System*** – American IT

Role: Lead Developer

Description: This project consisted of a data-driven, web-based application utilizing Microsoft .NET. The user interface and business layer services were implemented using ASP.NET, while the data layer was built against SQL Server 2000. All application logic was coded using C#.

Responsibilities:

- Gathered and documented all user requirements
- Co-authored overall system design and detailed design documents
- Implemented the systems design utilizing C#



### ***Lentric's Web Application - GMT Consulting***

Role: Lead Web Developer

Description: This project was implemented using ASP, combined with custom DLL's for creating Lenticular images. The ASP functionality was coded using Jscript, while the custom DLL was coded using Visual Basic 6.0 and leveraged the LEAD Technologies ActiveX graphics libraries. A .NET assembly, for file system maintenance, was coded using C# .NET.

Responsibilities:

- Gathered and documented all user requirements
- Co-authored the overall system design and detailed design documents
- Created and coded the interface that allowed customers to interlace two images by selecting size, direction, and pitch of the lens. The system automatically emailed the customer with the processed image for easy downloading. Code targeted multiple browsers with both client side and server side capabilities.

### ***Medical Job Search Web Application – USMedHunter.com***

Role: Lead Web Developer

Description: This project was implemented using Active Server Pages combined with a Microsoft Access back end database. The ASP pages were coded using Jscript on the client and VBScript on the server.

Responsibilities:

- Gathered and documented all user requirements
- Co-authored the overall system design and detailed design documents
- Created and coded the interface that allowed applicants in search of medical positions to submit their resumes online. The application also allowed employers to view all submitted resumes, and post job positions in search of employees. Code targeted multiple browsers with both client side and server side capabilities.

### ***Course Registration System – Caspian Software/Qwest Communications***

Role: Development

Description: This project was implemented using a combination Active Server Pages combined with ADO for access to the backend SQL Server 7.0 database. The application was used to allow Qwest employees to register for IT training via their intranet site.

Responsibilities:

- Gathered and documented all user requirements
- Co-authored the overall system design and detailed design documents
- Created and coded the interface that allowed users to register, remove and transfer from interested courses. The application generated and sent emails to managers and administrative personnel.



## ***Test Registration System*** – Caspian Software

Role: Development

Description: This project was implemented using a combination Active Server Pages combined with ADO for access to the backend SQL Server 7.0 database.

Responsibilities:

- Gathered and documented all user requirements
- Co-authored the overall system design and detailed design documents
- Created and coded the interface that allowed customers to sign in prior to taking a registered exam.

## ***Process Measurement System*** – GMT Consulting

Role: Project Lead

Description: This project consisted of the design and implementation of a process measurement system that kept track of ink colors (known as Pantone colors) and mixed base colors (percent of certain colors that make up the Pantone color). This project displayed Pantone color numbers as the percent of mixed base colors. Users could choose an amount to purchase and the program would calculate the total price per pound for the Pantone color. Users could also add, delete, find and modify the Pantone colors and mixed base colors. The application was implemented using Visual Basic 6.0 as the front-end, Access 97 the back-end.

Responsibilities:

- Gathered and documented all user requirements
- Authored the overall system design and detailed design documents
- Coded the entire application

## ***Product Tracking System*** – T-Marzetti

Role: Project Lead

Description: This project consisted of the design and implementation of an application used to track products, price, amount in stock, shipping information, etc. The application was implemented using an Access 97 database as back-end and front-end, coded using Visual Basic for Applications.

Responsibilities:

- Gathered and documented all user requirements
- Authored the overall system design and detailed design documents
- Coded the entire application



## ***Membership Tracking System – School Employee Retirees of Ohio***

Role: Development

Description: This project consisted of the design and implementation of a data entry application used to store information on members and dues. The application was implemented using an Access 97 database as back-end. The user interface was written using Visual Basic 4.0 and later converted to Visual Basic 5.0. Reports were generated in Crystal Reports 5.0.

Responsibilities:

- Co-authored the overall system design and detailed design documents
- Coded the entire application

## ***Maintenance Tracking System – Anheiser-Busch***

Role: Development

Description: This project consisted of the design and implementation of a maintenance log application that kept track of maintenance jobs, workers on the jobs, dates, and printed reports of daily activity. The application was implemented using Visual Basic 4.0 with reporting functionality generated using Crystal Reports 5.0.

Responsibilities:

- Coded portions of the application.

## ***Patient Tracking System – APEX***

Role: Development

Description: This project consisted of the design and implementation of a data entry application for hospital providers that displayed and/or added patient information according to their specific needs within an indicated geographical area. The application was implemented using Visual Basic 4.0 and utilized a SQL Server 6.5 database as back-end.

Responsibilities:

- Coded portions of the application.