

**ROBERT HUDSON**  
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## **SKILLS**

**Computer Languages:** VB.NET, C#, ASP.NET, T-SQL, Visual Basic 6, Pascal

**Web Programming:** ASP, ASP.NET, Cold Fusion, JavaScript, DHTML, VBScript, VB WebClasses and RDS

**Database:** SQL Server 2000/7/6.5, Oracle 8.1, PL-SQL, ADO.NET, Sybase OmniConnect, DB2, OLAP (Cubes, Data Warehousing)

**XML:** Xpath, XSL, XSLT, MSXML DOM, and XMLHTTP

**Architectures:** Design Patterns, COM, COM+, Microsoft DNA, and .NET distributed architecture

**Design and Reporting:** Crystal Reports 8, Active Reports and ErWin

**Business Models:** Developed applications for Gas and Telephone Utilities, Educational Systems, Government Healthcare (HCFA), and Inventory Management.

## **EXPERIENCE**

### **Ajilon/Thomson Prometric**

**Consultant**

**07/2005 - Present**

- Developed C# components to work within a VB6/COM application via Interop
- Upgraded and maintained a web service that employed message queuing
- Designed .NET standards for common architectural components including Data Access and Logging

### **LCG Technologies**

**05/2005 - 06/2005**

**Developer**

- Maintained and added features to a Winforms and Web Insurance Application
- Reduced application and business logic errors by 20%.

### **4GL School Solutions**

**10/2004 - 05/2005**

**Developer**

- Developed pages, modules and classes for an ASP.NET, C# Special Education Claims Tracker project.
- Designed and Developed OLAP Data Warehouse Cubes in SQL Server 2000 for the product.

### **Baltimore County Schools**

**Consultant**

**06/2003 - 10/2004**

- Performed analysis, design and application architecture for a .NET-based, enterprise wide Student Tracking and Registration System.
- Developed software using c#, VB.NET , Application Blocks for .NET, SQL Server and XML/XSLT.
- Designed an application framework in .NET using design patterns and application blocks.

### **CAS Machines**

**Consultant**

#### **4/2003- 09/2003 (part-time)**

- Developed a web site in ASP.NET that showcased the company's capabilities and allowed clients to check order status.
- Wrote a VB.NET application that produces CNC and Robotic control files.

#### **BALTIMORE GAS AND ELECTRIC (BG&E)/Constellation Energy Group**

##### **TEK Systems Consultant**

#### **4/2002- 04/2003**

- Developed an enterprise telephone directory using ASP with an extensible **XML**-based data layer. **XSLT** and **XPath** were used extensively to generate HTML, export results to Excel and format different e-mail messages based on the same source document.
- Built a **web-based** Gas Service Survey System, utilizing Windows 2000 COM+ components, **SQL Server 2000**, and **ASP**. The site utilizes **DHTML**, **XML HTTP**, and **XSL** transformations for **HTML** rendering.
- Built a Corporate **Content Management System** to inform all employees up upcoming changes, news items and policies. Used Microsoft DNA architecture, **XML**, **XPath** and extensive **XSLT** to manage screens and content.
- Created an XML-based interface between a legacy system and an Oracle database as a VB COM component.
- Developed DTS packages and data conversion routines between Oracle and SQL Server.

#### **WELLS FARGO HOME MORTGAGE**

##### **Consultant**

#### **2/2002 – 4/2002**

- Created a web-based interface for Accounts Receivable functions using VB.NET and **ASP.NET**.
- Wrote routines in **VB.NET** using **Attachmate** COM interfaces to "**Screen-Scrape**" mainframe accounting systems to retrieve and post transactions.
- Developed software to allow a variety of company applications (written in Access and **ASP**) to communicate with AR and AP systems described above. Wrote DTS to import XML, Access databases and other data feeds.

#### **VERIZON**

##### **Consultant**

#### **2/2001 – 2/2002**

- Developed and deployed **ASP.NET** and **VB.NET** applications using SQL Server 2000, XML and XSLT.
- Converted an ad hoc reporting system from ASP to ASP.NET. Both the original and new applications used XSLT extensively to format reports, export to Excel and create "paged" results in HTML.
- Worked with team to create a rapid-recovery application in ASP.NET and VB.NET to track repairs to telephone infrastructure in NY following the Sept. 11 disaster.
- Created custom multi-level "drill-down" reports and charts using VB6 Webclasses, **ASP** and Crystal Reports 8. Also developed a method to export reports to Excel using XSLT.

#### **VIPS**

##### **Programmer/Architect**

#### **05/99 – 2/2001**

- Lead Programmer/architect on Pulse, a Medicare contractor monitoring system commissioned by the Healthcare Finance Administration (HCFA). Designed and developed an application in Visual Basic 6 and **ASP** that interoperated with DB2, UDB, Sybase and SQL Server. Prototyped a web-based version of Pulse.
- Lead architect on Virgin Islands Medicaid System project (Microsoft DNA Architecture). Performed logical and physical database design. Built ASP prototypes and designed business objects.
- Created a web-based Problem Tracking system using Microsoft DNA components. Developed an Employee Skills Survey Intranet application.

#### **US Navy**

##### **Contract Application Developer/Project Lead**

## **10/98 – 05/99**

- Programmed a complete Nuclear Technical Manual Inventory system using Visual Basic 6 and Active Reports. Created COM classes for business objects and data access. Developed a system to track shipping and receiving, including complex bar-coded forms required for compliance with US Postal Service and US Navy regulations
- **Managed 4 programmers for duration of project.**

## **Pennsylvania Blue Shield**

### **Programmer Analyst**

#### **10/97 – 10/98**

- Worked on Health Insurance Rating and Settlement application. Created Oracle PL/SQL stored procedures to move data between Oracle, VSAM and DB2. Wrote Cobol programs to convert data between DB2 and Oracle DBMS.
- Designed and maintained the front-end for a transaction upload system.

## **Fleet Technologies, Inc.**

### **Multimedia Developer**

#### **10/96 – 10/97**

- Created touch-screen applications in Visual Basic based on dynamic database content. Responsible for graphic design, programming, purchasing and assembling hardware components. Clients included The American Cancer Society, Penn State, Hershey Medical Center, Lehigh Valley Hospital and GM dealerships.
- Performed end-to-end product development and implementation, from marketing to hardware design and acquisition. Developed Internet and dial-up methods for communication and data collection from remote machines

## **INDEPENDENT CONSULTANT**

### **9/94 – PRESENT**

- Developed a .NET web site for the Golden Vision Foundation. Built the site using **ASP.NET, VB.NET, XML** and **XSLT**. Used SQL Server 2000 **SQLXML .NET** provider to stream data to the front end. Used the Microsoft .NET Data Access Block to perform SQL Queries.
- Built a metadata editor for a reporting system using **.NET Datasets, Datagrids, XML and XSLT**. This editor cloned schema taken from SQL Server Stored procedures and allowed extended properties to be added.
- Performed technology and development planning for non-profit organizations.

## **CERTIFICATIONS**

**Microsoft Certified Solution Developer (MCSD), SQL Server 2000 elective track**

## **PUBLICATIONS**

“Updating Multiple SQL Server Tables from Multiple **ASP.NET** Datagrids”, published December, 2001 on **ASPToday.Com** (Wrox Press).

## **EDUCATION**

York College of Pennsylvania  
BS in Computer Information Systems  
Masters coursework in Management Information Systems.

Towson University  
Pursuing a Masters in Professional Writing  
Graduation expected 12-2006.