

Synopsis for:

James P. Glenn

(Full resume on subsequent pages)

Profile

Role: Senior Application Developer

Relevant Expertise:

- **28 years of professional IT experience in the design, development, implementation, analysis, maintenance, and support of Client-Server and Web-based Applications.**
- **12+ Years of C#, .Net 3.5 in Windows and Asp.Net**
- **10 Years of VB.Net, .Net 3.5 in Windows and Asp.Net**
- **8 years WebServices/SOAP/WCF**
- **20 years of experience using Visual Basic and ASP.**
- **9 year AJAX, XML, DOM, XSLT,**
- **10+ year experience total with .Net Framework 1.1/2.0/3.5/4.0, Visual Studio 2003-2010, (2.0) VB.Net, C# and ASP.net**
- **5 Years experience with .Net Framework 3.5,**
- **4 year experience with SQL 2005 (Express, Standard, and Enterprise) (DBEngine, Integration Services, Reporting Services – 6 months)**
- **6 months experience with WinFx (MS Workflow), remote objects, membership and security services,**
- **7 year experience with Team Foundation Server (2005/2008/2010)including Agile Development**
- **2 year experience with Sharepoint 2.0, 6 months experience with Sharepoint 3.0**
- **15+ years of experience with “C” and Visual C++**
- **Team Lead supervising 5 or more developers**
- **10 years of experience using Visual Interdev, VBScript, JavaScript, COM/COM+, Active X, HTML, IIS, VSS, and SQL Server.**
- **4+ years of experience in Banking / Financial environment.**
- **3+ years of experience in Manufacturing and Process Control Systems.**
- **Extensive experience in end user, internal, and client support.**
- **Created, maintained, and modified SQL tables, queries, triggers, and stored procedures.**
- **Taught a Microsoft Certification Course for Visual Basic 6.0 /VB.Net at CPCC and various businesses.**
- **10 years of MS Office Development and Application Integration.**

Certifications & Exams:

- (MCP) 70-305 Developing and Implementing Web Applications with Microsoft Visual Basic .NET and Microsoft Visual Studio .NET
- (MCP) 70-306 - [Exam 70-306](#)*: Developing and Implementing Windows-based Applications with Microsoft Visual Basic .NET and Microsoft Visual Studio .NET

Education

- HS Diploma, Covington Latin High School, 1983
- Bachelor of Arts in Liberal Studies, Kentucky State University 1987.
- **Currently pursuing a Masters of Computer Science at DePaul University**

Financial Information

Rate: \$120.00/hr. negotiable

JAMES P. GLENN

PROFESSIONAL SUMMARY

- 28 years of professional IT experience in the design, development, implementation, analysis, maintenance, and support of Client-Server and Web-based Applications.
- 12+ Years of C#, .Net 3.5 in Windows and Asp.Net
- 10 Years of VB.Net, .Net 3.5 in Windows and Asp.Net
- 8 years WebServices/SOAP/WCF
- 20 years of experience using Visual Basic and ASP.
- 9 year AJAX, XML, DOM, XSLT,
- 10+ year experience total with .Net Framework 1.1/2.0/3.5/4.0, Visual Studio 2003-2010, (2.0) VB.Net, C# and ASP.net
- 5 Years experience with .Net Framework 3.5,
- 4 year experience with SQL 2005 (Express, Standard, and Enterprise) (DBEngine, Integration Services, Reporting Services – 6 months)
- 6 months experience with WinFx (MS Workflow), remote objects, membership and security services,
- 7 year experience with Team Foundation Server (2005/2008/2010)including Agile Development
- 2 year experience with Sharepoint 2.0, 6 months experience with Sharepoint 3.0
- 15+ years of experience with “C” and Visual C++
- Team Lead supervising 5 or more developers
- 10 years of experience using Visual Interdev, VBScript, JavaScript, COM/COM+, Active X, HTML, IIS, VSS, and SQL Server.
- 4+ years of experience in Banking / Financial environment.
- 3+ years of experience in Manufacturing and Process Control Systems.
- Extensive experience in end user, internal, and client support.
- Created, maintained, and modified SQL tables, queries, triggers, and stored procedures.
- Taught a Microsoft Certification Course for Visual Basic 6.0 /VB.Net at CPCC and various businesses.
- 10 years of MS Office Development and Application Integration.

TECHNICAL SKILLS

Technologies:	Visual Basic 6.0 Visual Studio .Net 2003/2005/2008/2010 WinForms AJAX Sharepoint 2007 HTML Visual C/C++ COM/DCOM/COM+ ODBC/OLEDB ADSI InstallShield	VB.NET/C#/ASP.Net WPF JSON/JQUERY WebServices ASP IIS 6.0/7.0 VBScript/JScript Crystal Reports WISE/InstallShield WinRunner 6.0	Team Foundation Server 05/08/10 .Net Framework 1.1/2.0/3.0/3.5/4.0 MVC 2/3 DOM CruiseControl.Net/Nant XML/XSL/XSLT ADO/ADO.Net SQL/T-SQL MS Office 92/2000/XP/2003/2007 Java Powershell 1/2
Legacy:	VSAM TSO/ISPF VAX/VMS	WISE Assembler JCL	LINQ 3.0 Fortan VM/SP
Databases:	SQL Server 6.5 / 7.0/2000/2005/2008	MS-ACCESS (1.0-2007)	Oracle 9i-10
Platforms:	Windows 2000/XP/VISTA/7	Windows Server 2003/2008/2008 R2	

EDUCATION/CERTIFICATION

- Currently pursuing Master of Computer Science at DePaul University, Chicago, IL
- Bachelor of Arts in Liberal Studies, 1987.
 - Kentucky State University
- MCP ID **5555741**
- MCP 70-305 Developing ASP.Net Applications

PROFESSIONAL EXPERIENCE

The Grocer Exchange, Evanston, IL
CTO and Senior Developer/Architect

05/2011 – 1/2012

- Designed and implemented Company Infrastructure using Amazon EC2 and Federated Services
- Implemented TFS 2010 Server and Automated Build/Deploy process
- Architected, Designed and Implemented Cloud-based web application using Windows Azure and SQL Azure
- Implement all core Framework backend and WCF Services
- Implemented initial Front-End applications using MVC 3 (Razor)
- Architected complete in-store data collection solution for 400+ grocery stores
- Hired and managed development and operations groups

Agile, MVC 3.0, Visual Studio 2010, .Net 4.0, C# 4.0, WCF, HTML, CSS, JQuery, SQL Server 2008 R2,PSQL IIS 7.0, Windows 2008 Server, Windows 7, Office 2010, Team Foundation Server 2010, PowerShell 2, LINQ 3, WIF, Windows Azure, SQL Azure, Identity Server

The Northern Trust Company, Chicago, IL

07/2010 – 4/2011

Senior Developer/Architect (independent consultant via Otterbase)

- Developed Application Framework and common services for REV 2.x ASP.net/MVC application
- Developed Reporting framework for REV 2.x
- Consulted on the implementation Team Foundation Server 2010 enterprise
- Extensive Application Development customizing TFSDeployer to consume TFS WebServices
- Consulted on the Implement several TFS Build Virtual Servers and complex PowerShell Scripts
- Customized the Process Templates, Build process
- Extensive Application Development customizing the TFSDeployer Codeplex application to deploy during specific windows and based upon Work Item Change events
- Wrote custom Powershell CmdLets and PSSnap-ins
- Mentored for junior programmers
- Documented Detailed Requirements, Design and Build-out Documentation
- Wrote training material and conducted TFS Merge/Branching for 80+ NT employees using .Net and Java

Visual Studio 2008/2010, .Net 2.0/.Net 3.5/4.0, C#, WebServices/WCFJava, AJAX, MVC 2, CSS, XML, JQuery, SQL Server 2005/2008, IIS 6.0/IIS 7.0, WSS SharePoint 3.0, , Windows 2003/2008 Server, Windows XP, Office XP/2007, Team Foundation Server 2008/2010, MSBuild, PowerShell 2.0

Health Risk Partners, Richmond, VA

05/2010 – 6/2010

Team Foundation Server Technology Specialist

- Implemented Team Foundation Server 2010 enterprise wide and provided on-site training
- Extensive Application Development customizing TFSDeployer to consume TFS WebServices
- Implement several TFS Build Virtual Servers and complex PowerShell Scripts
- Customized the Process Templates, Build process
- Wrote custom Powershell CmdLets and PSSnap-ins

Visual Studio 2008/2010, .Net 3.5/4.0, C#, SQL Server 2008 R2, IIS 7.0, SharePoint 2010, , Windows 2008 Server R2, Windows 7, Office 2010, Team Foundation Server 2010 MSBuild, PowerShell 2.0, PowerGui 2.0

Redbox, Oakbrook Terrace, IL
Build Master/Deployment Engineer

03/2010 – 5/2010

- Responsible for deploying software to over 10,000 kiosks nationwide
 - Extensive Application Development customizing TFSDeployer to consume TFS WebServices
 - Wrote custom Powershell CmdLets and PSSnap-ins to automate deployments
- Visual Studio 2008, .Net 3.5/4.0, C#,MSBuild, PowerShell,**

The Northern Trust Company, Chicago, IL
Senior Developer/Architect (independent consultant)

06/2009 – 11/2009

- Implemented Team Foundation Server 2008 enterprise wide and provided on-site training
 - Extensive Application Development customizing TFSDeployer to consume TFS WebServices
 - Implement several TFS Build Virtual Servers and complex PowerShell Scripts
 - Customized the Process Templates, Build process
 - Extensive Application Development customizing the TFSDeployer Codeplex application to deploy during specific windows and based upon Work Item Change events
 - Wrote custom Powershell CmdLets and PSSnap-ins
 - Mentored for junior programmers
 - Evaluated Visual Studio 2010 and Team Foundation Server 2010 as to impact to the organization
 - Documented Detailed Requirements, Design and Build-out Documentation
- Visual Studio 2008/2010, .Net 2.0/.Net 3.5/4.0, C#, AJAX, WPF, CSS, XML,XSLT, SQL Server 2005/2008, IIS 6.0/IIS 7.0, WSS SharePoint 3.0, , Windows 2003/2008 Server, Windows XP, Office XP/2007, Team Foundation Server 2008/2010, Virtual Server 2005/2007, MSBuild, PowerShell, Virtual Server, Virtual PC, Internationalization**

Studio North, North City (Chicago Area), IL
Senior Developer/Architect (independent consultant)

04/2009 – 05/2009

- Senior Developer implementing changes to existing web applications
 - Implemented custom Web Applications framework in .Net 3.5
 - Responsible for front-end and backend coding as needed under tight deadlines
- Visual Studio 2005/2008, .ASP/ASP.Net, Net 3.5, C#, AJAX, CSS, XML,XSLT, SQL Server 2005, IIS 6.0, WSS/SharePoint 3.0, Windows 2003/2008 Server, Windows XP, Office 2007, Team Foundation Server 2008/Subversion, Virtual Server 2005/2007, MSBuild, Virtual Server, Virtual PC,**

Insurance Auto Auctions Westchester (Chicago Area), IL
Senior Developer/Architect (Independent consultant)

09/2008 – 4/2009

- Implemented Team Foundation Server 2008 enterprise wide and provided on-site training
- Implement several TFS Build Virtual Servers and Build Scripts
- Lead Architect on project to project to redesign current .Net 2.0 Web Application to .Net 3.5 for deployment in Canada
- Technical specialist for internationalization
- Migrate from VB6 to VB.Net
- Implemented Web Application framework in .Net 3.5
- Responsible for coding several major requirements
- Technical lead and mentor for junior programmers
- Developed Dynamic control framework to create and maintain complex web forms saving the project 102 hours and over \$100,000.

Visual Studio 2005/2008, .Net 2.0/.Net 3.5, WPF, VB6, VB.Net, AJAX, CSS, XML,XSLT, SQL Server 2005, IIS 6.0, WSS SharePoint 2.0/3.0, , Windows 2003/2008 Server, Windows XP, Office 2007, Team Foundation Server 2008, Virtual Server 2005/2007, MSBuild, Virtual Server, Virtual PC, Internationalization

TCGRx Buffalo Grove (Chicago Area), IL
Senior Developer (independent consultant)

06/2008 – 09/2008

- **Architected and coded kiosk based, complex, n-tier, multi-layered, windows application (WinForms) application (OPS) to provide a pick by light system for the pharmacy industry.**
 - **Implemented Team Foundation Server 2008**
 - **Migrated Configuration Management from Visual Source Safe (VSS) to Team Foundation Server 2008**
 - **Migrated application from Visual Studio 2005 to Visual Studio 2008**
 - **Wrote .Net applications to control several serial and Ethernet device controller**
- Visual Studio 2005/2008, .Net 2.0, C#, WinForms SQL Server 2005, IIS 6.0, WSS SharePoint 2.0/3.0, , Windows 2003/2008 Server, Windows XP, Office 2007, Team Foundation Server 2008, Virtual Server 2005/2007, MSBuild, Barcode Scanners, Ethernet based light controllers**

Allstate Insurance World Headquarters, Chicago, IL
Senior Developer (consultant)

1/08-07/2008

- **Architected Team Foundation server topology**
 - **Worked with Enterprise production staff to install n-tier VSTS environment**
 - **Developed and executed training courses for developers**
 - **Developed and execute VSS to TFS migration enterprise-wide**
 - **Managed, consulted and trained AllState employees in use of TFS**
 - **Developed custom VSTS Project Template**
 - **Wrote custom application, plug-ins, and check-in policies per customer's spec**
 - **Created Virtual Machines to minimize impact on production machines to test Prove TFS concepts**
 - **Wrote NUnit, NANT, CruiseControl.Net, MSBuild Script**
- Visual Studio 2005/2008, .Net 2.0/3.5, ASP.Net, WinForms, VB.Net SQL Server 2005, IIS 6.0, ASP.Net, WSS SharePoint 2.0/3.0, AJAX, CSS, XSLT, JavaScript, , Windows 2003 Server, Windows XP, Office 2003, Team Foundation Server 2005/2008, Virtual Server 2005/2007, C#.Net, MSBuild, CruiseControl.Net, NANT, NUnit fxCop**

Edgeland Technologies and Consulting, LLC, Cincinnati, OH
Senior Developer (consultant) and Microsoft Certification Trainer

5/07-12/08

- **Architected, designed, and implemented a concessions self-pay application for [Food Cube Technologies](#), deployed on multiple platforms: Web, [KIOSK](#) and mobile web.**
 - **Developed custom, internal SharePoint Application for local client**
 - **Consulted with [eTreppid Technologies, LLC](#) in Reno, NV to develop Web Services in C# for an Office 2003/2007 Security and Encryption application. The Server application involved secured communication via certificates and public/private keys**
 - **Consulted with various small businesses to help increase market presence through technology with emphasis on internet-based solutions**
 - **Taught several Microsoft Certification courses(MOC2378B and MOC2310B) for the Tactix Group (<http://www.TactixGroup.com>)**
- Visual Studio 2005/2008, .Net 2.0, ASP.Net, C#, VB.Net, WinForms, AJAX, CSS, XML, XSLT SQL Server 2005, IIS 6.0, ASP.Net, Sharepoint 3.0, JavaScript, , Windows 2003 Server, Windows XP/VISTA, Office 2003/2007, Team Foundation Server 2005/2008, Virtual Server 2005/2007, Crypto Library , KIOSK and mobile applications**

Electronic Art, LLC, Cincinnati, OH

11/06-5/07

Senior Developer (consultant)

- Developed Multiple Web Applications using .Net 2.0, VB.Net, C# and legacy ASP. (<http://www.soaringspirits-book.com> <http://hospitaliti-concierge.com> <http://www.domainmedical.com>)
- Developed eCommerce Applications (<http://www.DomainMedical.com>)
- Developed KIOSK eCommerce Applications (<http://kiosk.domainmedical.com>)
- Wrote javascript as needed
- Designed and developed supporting SQL Server 2000/2005 Databases. Tables and Stored procedures
- Assisted in infrastructure support including planning and deployment of Team Foundation Services

Visual Studio 2005, .Net 2.0, ASP.Net, C#, VB.Net SQL Server 2005, IIS 6.0, JavaScript, AJAX, CSS, XML, CSL Windows 2003 Server, Windows XP, Office 2003/2007, Team Foundation Server, MediaChase ECF 4.1

Constella Group, LLC

03/06 – 05/06

Senior Developer (consultant)

Visual Studio 2005, ASP.Net, C#, SQL Server 2005, IIS 6.0, ASP.Net, JavaScript, , Windows 2003 Server, Windows XP, Office 2003, Visual Source Safe 2005

Terabyte Conversions, Monroe, NC

05/05 – 03/06

Senior Developer (Consultant)

- Developed Custom Security IP Principle and Membership as part of a client web application (<https://www.universalenrollment.com>)
 - Designed in-house server infrastructure
 - Designed Application architecture for all conversion projects.
 - Developed complete library of .Net Classes
 - Developed dozens of .Net applications relating to the conversion of Image and COLD data for the Banking industry
 - Wrote Application Documentation
 - Designed and Developed SQL Server Schemas, Tables, and Stored Procedures
 - Wrote Installation programs using Wise.
 - Managed development team (5) and hiring Manager for internship
- Visual Studio 6.0/2003/2005, Visual Basic .Net, ASP.Net, C#, Winforms, SQL Server 2000/2005, IIS 5.0/6.0, ASP, XML, CSS, XSL, JavaScript, Visual Basic 6.0, Visual C++, Windows 2003 Server, Windows XP, Office 2003, Visual Source Safe 6.0/2005, WnFX, Team Foundation Services**

ATOS-Origin - Cincinnati, OH

12/04/-04/05

Custom Applications Senior Technical Analyst

- Office XP/03, ASP, ASP.NET, Visual Basic 6.0, HEAT, Oracle 8, Win 2000/XP, IIS 5.0, ASP, Jscript, VB script, Front Page.

Bridge Worldwide (KForce) - Cincinnati, OH

06/04-12/04

- Web programmer for internet marketing firm
 - Designed and developed websites as part of a team using Microsoft Visual Studio .Net
 - Provide technical and program documentation.
- Office XP/03, ASP, ASP.NET, Oracle 8, Win 2000/XP, IIS 5.0, ASP, Jscript, VB script, Front Page.**

Edgeland Technologies, Inc (Edgeland Consulting, LLC) - Cincinnati, OH

01/04-05/04

Owner

- Started business specializing in on-line marketing and web-site design for small business and sole proprietors.
- Designed and developed market presence websites, e-commerce solutions and general computer related business consulting services..
Office 2000/XP/03, VB6, ASP, ASP.NET, SQL2000, Win 2000/XP, IIS, ASP, Jscript, VB script, Front Page.

Jergens (InfoDesgn) - Cincinnati, OH

05/2003-10/2003

Systems Analyst

- Provided production support and application development for administrative, manufacturing, research and global marketing divisions.
- Migrated legacy applications to VB and Web – centric platforms.
- Resolved production problems and performance issues.
- Developed Web utility to maintain user accounts across several domains/sites.
- **Office 2000, XP, VB6, ASP.NET, SQL 2000, Win 2000, Magic, IIS, ASP, Jscript, VB script,**

Independent Consultant – Cincinnati, OH

10/2002 - 05/2003

- Provided custom software design and development services for various clients including office automation for Luxotica.
- Designed, developed and deployed a marketing package OmniPresence using VB.NET, forms and datasets. This package provided a Web page with company information, submission to search engine and e-commerce of 800service for small businesses.
- **Office 2000 XP, Win2000/XP, IIS, ASP, Com+, VB script, Jscript, Front Page, Visual Studio, COM/COM+, ASP, ASP.Net.**

Provident Bank - Cincinnati, OH

07/2002 - 09/2002

Systems Analyst

- Responsible for business analysis, design and development for commercial leasing software.
- Supported all custom application development for the system.
- Worked on production support and enhancements to the existing Visual Basic and ASP software.
- Assisted in the maintenance of the schema for SQL Server 2000.
- Entered and maintained commercial leasing information system.
- Created, maintained, and modified SQL tables, queries, and stored procedures.
- Supported customer service website using ASP, HTML, ADO (ODBC), and SQL Server.
Visual Basic 6.0, SQL Server 2000, ADO, ODBC, Visual InterDev 6.0, Office 97, VBScript, HTML, ASP, IIS, Windows NT/2000.

Professional Computer Resources

02/2002 - 05/2002

Client: Compass Group - Charlotte, NC

Software Engineer

- Designed and developed using Visual Interdev, ASP, HTML, Visual Basic, ADO, a web-based interface for the management of Vending machines.
- Responsible for writing web-forms, client and server scripts, and supporting business objects.
- Wrote table creation scripts in SQL script.
- Wrote store procedure and complex queries in SQL for SQL Server.
- **Visual Basic 6.0, SQL Server 2000, Visual InterDev 6.0, Office XP, Rational Rose/Clear Case, JavaScript, VBScript, HTML, ASP, IIS, COM+, DTS, Windows 2000.**

CDI

10/2001 - 12/2001

Client: Siemens Westinghouse - Charlotte, NC
Software Engineer

- Completed a web-based, multilingual, intranet application for pricing complex service RFP's for Steam Turbine Engines using
Visual Basic 6.0, MTS, COM, Oracle 8.6, Visual InterDev 6.0, ASP, and Windows NT.

Robert Half International Company

05/2001 – 10/2001

Client: Weiss Research - Palm Beach Gardens, FL
Software Engineer

- As lead developer, designed an n-tier architecture that supported both web and thick clients using Visual Basic 6.0 as the front-end, MTS for the middle tier, and SQL Server as the back-end.
- Designed and developed a Customer Subscription Management System.
- Responsible for the entire life cycle of the project (SDLC).
- Designed and configured SQL Server physical architecture.
- Created SQL tables, relationships, store procedures, and queries.
- Responsible for coding the application's infrastructure and data management objects in Visual Basic 6.0 and Webservices in Visual Basic.NET.
- Wrote communications architecture using XML and SOAP.
Visual Basic 6.0/.NET, SQL Server 2000, Visual InterDev, VBScript, Windows 2000, VSS, COM, XML, HTMLHelp, SOAP, ADO, MTS, and Windows 2000.

Business Control Systems

11/2000 - 3/2001

Client: Bank of America - Charlotte, NC.
Software Support Engineer

- On-site at Bank of America Securities, Fixed Income Business Automation.
- Provided production support and business automation tools for a variety of Trade and Securities related applications.
- Developed, deployed, and documented various business applications written in Visual Basic 6.0, VB Script, JavaScript and WinRunner to aid in the automation of common business functions.
- Created, maintained, and modified SQL tables, queries, and stored procedures.
- **Technical Environment: Visual Basic 6, SilverStream 4.5, Acrtuate 4.1, WinRunner, Windows NT, and VSS.**

Bluespring Software Inc. (formerly SMG) - Cincinnati, OH
Software Engineer (contract)

10/1999 – 08/2000

- Application developer on core product, a Billing system for the telecommunications industry.
- Wrote the system using Visual Basic 6.0 and Visual C++.
- Worked on multiple special projects including, legacy customer development, support and training, credit card application, user interface design and development.
- Designed and implemented complex SQL Server queries.
- Created, maintained, and modified SQL tables, queries, and stored procedures.
- Designed and managed Software Build processes using WISE.
- Designed and implemented Web interface to core objects.
- Traveled to customer sites to install and maintain existing applications.
Technical Environment: Visual Studio 6.0, Wise, InstallShield, COM, ASP, XML, HTML, WinNT/2000 VSS, VBScript/JavaScript, and MTS.

CompConTech - Charlotte, NC

03/1999 – 09/1999

Client: Microsoft

Software Support Engineer

Visual Basic 6.0, Visual Interdev 6.0, HTML, ASP, ADO, VBScript, Jscript, Internet Information Server 4.0, Active X, FrontPage 98/2000, Win NT 4.0, Office 2000 Pro, Visual Source Safe, COM/DCOM.

ProtoCorp.

03/1998 – 12/1998

Client: Bell & Howell - Monroe, NC

Application Architect/Developer

- Designed and coded first phase of the user interface for Links version 2.0 using Visual Basic 6.0.
 - Developed applications to support infrastructure, Customer Support, and Sales Support.
 - Designed the network architecture for customers and internal groups.
 - Supported and maintained infrastructure, including installation of Windows NT and Windows 95 / 98.
 - Designed, developed, and deployed Internet / Intranet website.
 - Worked with Development Team on new product architecture.
- Visual Basic 5.0/6.0, Visual Interdev, Active X, FrontPage98, Visual Source Safe, Office 97 Pro.**

Prior to 1998

Edgeland Technologies - Matthews, NC 08/1996 – 10/1998
Systems Engineer
Visual Basic 5.0, Visual C++ 4.2, Visual InterDev 1.0, Visual Source Safe, Dynamic, HTML 2.0, Wise 5.0, Office 97, Internet Explorer, Windows 95 / NT.

Duke Power - Charlotte, NC 08/1995 – 08/1996
Consultant
Visual Basic 4.0, Visual Test, Office 4.3, Visual C++, Attachmate, QuickApp, and Windows NT.

Epri - Charlotte, NC 01/1994 – 08/1995
Consultant
Visual Basic 3.0, Windows 3.1, Access, and SQL Server.

Washovia Bank - Charlotte, NC 03/1993 – 10/1994
Consultant
• Technical Environment: Visual Basic 3.0, Access 2.0, Visual C++ 2.5, InstallShield, and Windows 3.11.

Cincom Systems, Inc. - Charlotte, NC 10/1992 – 03/1993
Consultant
Visual Basic 3.0, Visual C++, Windows 3.1, WFW 3.11, and Windows NT.

Softech 10/1992 – 03/1993
Client: Munch – Charlotte, NC
Consultant
Oracle, VAX/VMS, DECImageServices, DECwindows, Motif 1.1, DECForms, RDB/RMS, and ALLEN-BRADLEY PLC-5.

Answers Incorporated - Charlotte, NC 01/1992 – 05/1992
Independent Consultant
• Technical Environment: Windows 3.1, Visual Basic.

Tultex Corporation – Martinsville, VA 04/1990 – 11/1992
Software Engineer (Independent Contractor)
DEC/VAX, VMS, DECENT, DECIntact, Allen-Bradley PLC-5, RDB/RMS, ACMS, DMQ, Windows/Motif, C, FORTRAN, COBOL.

Metro Information 08/1988 – 04/1990
Client: Post Software International, Inc. – Wakeforest, N.C.
Programmer/Analyst
VAX/VMS, IBM PC, MS/DOS, OS/2, LAN, IBM Token-ring, SNA/SDLC, C, COBOL, and Assembler.

Client: Northern Telecom – Raleigh, N.C. 04/1987 – 08/1988
Independent Contractor
IBM 30xx, VM/CMS, MVS, INQUIRE, CICS, VSAM, COBOL, REXX, JCL.

Kentucky State Government – Frankfort, Kentucky 1984 – 04/1987
Programmer/Analyst
C, Cobol, DEC/VAX, PDP, VMS, RSTS, IBM PC, Windows, and DOS.