

Synopsis for:

## James P. Glenn

(Full resume on subsequent pages)

### Profile

**Role:** Senior Application Developer

#### Relevant Expertise:

- **26 years of professional IT experience in the design, development, implementation, analysis, maintenance, and support of Client-Server and Web-based Applications.**
- **7 Years of C#, .Net 3.5 in Windows and Asp.Net**
- **18 years of experience using Visual Basic and ASP.**
- **9 year AJAX, XML, DOM, XSLT,**
- **9 year experience total with .Net Framework 1.1/2.0/3.5, Visual Studio 2003/2008/2005, (2.0) VB.Net, C# and ASP.net**
- **3 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,**
- **5 year experience with Team Foundation Server (2005/2008)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.**
- **3+ 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 4.0/5.0 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**

### Financial Information

Rate: \$80.00/hr. negotiable

## JAMES P. GLENN

### PROFESSIONAL SUMMARY

- 26 years of professional IT experience in the design, development, implementation, analysis, maintenance, and support of Client-Server and Web-based Applications.
- 7 Years of C#, .Net 3.5 in Windows and Asp.Net
- 18 years of experience using Visual Basic and ASP.
- 9 year AJAX, XML, DOM, XSLT,
- 9 year experience total with .Net Framework 1.1/2.0/3.5, Visual Studio 2003/2008/2005, (2.0) VB.Net, C# and ASP.net
- 3 Years experience with .Net Framework 3.5,
- 4 year experience with SQL 2005 (Express, Standard, and Enterprise) (DBEngine, Integration Services, Reporting Services – 2 years)
- 6 months experience with WinFx (MS Workflow), remote objects, membership and security services,
- 5 year experience with Team Foundation Server (2005/2008)including Agile Development
- 2 year experience with Sharepoint 2.0, 4 years experience with Sharepoint 3.0 (WSS)
- 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.
- 3+ 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 4.0/5.0 at CPCC and various businesses.
- 10 years of MS Office Development and Application Integration.

### TECHNICAL SKILLS

<b>Technologies:</b>	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 DOM CruiseControl.Net/Nant XML/XSL/XSLT ADO/ADO.Net SQL/T-SQL MS Office 92/2000/XP/2003/2007 <b>Powershell 1/2</b>
<b>Legacy:</b>	VSAM TSO/ISPF VAX/VMS MVS/XA	WISE Assembler JCL	Fortran VM/SP
<b>Databases:</b>	<b>SQL Server 6.5 / 7.0/2000/2005/2008</b>	MS-ACCESS (1.0-2007)	Oracle 9i-10
<b>Platforms:</b>	<b>Windows 2000/XP/VISTA/7</b> Linux	<b>Windows Server 2003/2008</b> MS-DOS	

### EDUCATION/CERTIFICATION

- Bachelor of Arts in Liberal Studies, 1987.
  - Kentucky State University
- MCP ID **5555741**
- MCP 70-305 Developing ASP.Net Applications

## PROFESSIONAL EXPERIENCE

**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
- 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, C#, 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)

- Developed Web application to conduct DustMite survey for National Institute of Health
  - Developed Custom Security IPrinciple and Membership as part of a client web application
- 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 IPrinciple 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

- On-Call support for Various Applications used by the Oil Industry
  - Maintained SQL 2000 and Oracle Databases for various applications.
  - Maintained current Visual Basic 6.0 applications for reporting from SQL and Oracle Databases
  - Designed new web applications using Visual Studio 2003
- 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**

- **Provided telephone technical support for users of Visual Interdev 6.0.**
- Designed and developed sample applications and codes for Microsoft customers.
- Worked extensively with **Visual Basic 6.0, HTML, ASP, and Internet Information Server 4.0 (IIS).**
- Documented customer issues.
- Performed technical reviews of Knowledge-base articles.  
**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.**

**Edgeland Technologies - Matthews, NC**

**08/1996 – 10/1998**

**Systems Engineer**

- Designed and developed a web-based application for budgeting dentist office operations and transmitting this information to a remote SQL Server Database via the Internet.  
**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**

- Provided development and on-site technical services for project Phoenix, which was a customer service application.
- Developed application using **Visual Basic** to migrate from mainframe-based to architecture to workstation-based client server.  
**Visual Basic 4.0, Visual Test, Office 4.3, Visual C++, Attachmate, QuickApp, and Windows NT.**

*Epri - Charlotte, NC*  
*Consultant*

*01/1994 – 08/1995*

- **Provided design, development using Visual Basic, and training services to implement an electronic timesheet system used company-wide and at remote locations. The system integrated into their general account and payroll services using weekly feeds.**
- **Created, maintained, and modified SQL tables, and stored procedures.**
- **Designed and implemented complex SQL Server queries.**
- **Using Workflow and real-time database access, the system reduced the amount of administrative overhead associated with managing complex, concurrent projects. Visual Basic 3.0, Windows 3.1, Access, and SQL Server.**

*Washovia Bank - Charlotte, NC*  
*Consultant*

*03/1993 – 10/1994*

- **Designed and implemented the visual interface using Visual Basic and Visual C for a check-imaging product. The product retrieved images from CD, which were compressed using IBM's ABIC compression schemes.**
- **Developed custom VPX's for IBM's image API library and context sensitive help.**
- **Technical Environment: Visual Basic 3.0, Access 2.0, Visual C++ 2.5, InstallShield, and Windows 3.11.**

*Cincom Systems, Inc. - Charlotte, NC*  
*Consultant*

*10/1992 – 03/1993*

- **Developed GUI prototypes under MS Windows 3.1 / NT using Visual Basic 3.0 and Visual C++ for Cincom's Control Manufacturing product.**
- **Wrote programming standards to allow a large number of programmers to implement a consistent architecture. Visual Basic 3.0, Visual C++, Windows 3.1, WFW 3.11, and Windows NT.**

*Softech*  
*Client: Munch – Charlotte, NC*  
*Consultant*

*10/1992 – 03/1993*

- **Provided an interface between a VAX and Image scanning device.**
- **Wrote DECWindows/Motif 11.1 user interface to acquire and render scanned images.**
- **Wrote real-time facilities status monitor.**
- **Developed, implemented, and tested a real-time interface between a VAX/VMS and Allen-Bradley PLC-5 for controlling robots and conveyor material handling equipment. Oracle, VAX/VMS, DECImageServices, DECwindows, Motif 1.1, DECForms, RDB/RMS, and ALLEN-BRADLEY PLC-5.**

*Answers Incorporated - Charlotte, NC*  
*Independent Consultant*

*01/1992 – 05/1992*

- **Provided independent consulting services to prototype GUI front-ends in Visual Basic.**
- **Technical Environment: Windows 3.1, Visual Basic.**

**Tultex Corporation – Martinsville, VA**  
**Software Engineer (Independent Contractor)**

**04/1990 – 11/1992**

- Designed and coded Graphical Screen interfaces using SMG, DEC / VAX, C, Fortran, and DECIntact.
  - Provided on-site analytical, network management, and C programming skills to support the development of a material handling system.
  - Designed the software architecture of an MHE.
  - Wrote the C programs that controlled the system.
  - Developed and improved interface to the equipment that directed the real-time movement of cranes and conveyors.
  - **Provided maintenance support during integration, testing, and installation.**
  - Supervised and trained the data processing personnel.
  - Directed other programmers working on the project.
- 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**

- Provided on-site technical services using **C** programming language on microcomputer systems.
  - Responsible for design, coding, and implementation on four concurrent projects.
  - As project leader, analyzed general descriptions of problems and developed specific plans to resolve them.
  - **Traveled to remote locations for product installations and user training.**
  - **Converted applications software from loop-based SDLC environments to LAN-based, Token-ring, multi-node environment.**
  - Developed diagnostic tools, new applications and system enhancements in a client's point-of-sale environment.
  - Then client incorporated these products in its standard product line.
  - Developed an interface module between the point-of-sale environment and NCR 2152 and IBM 4683 point-of-sale terminal.
- VAX/VMS, IBM PC, MS/DOS, OS/2, LAN, IBM Token-ring, SNA/SDLC, C, COBOL, and Assembler.**

**Client: Northern Telecom – Raleigh, N.C.**  
**Independent Contractor**

**04/1987 – 08/1988**

- Developed programs for **Electronic Data Interchange (EDI)** system.
  - Developed programs and supported tables that reduced the number of program changes required to implement new transactions on the system using Cobol, JCL, VSAM, REXX, TSO/ISPF.
- IBM 30xx, VM/CMS, MVS, INQUIRE, CICS, VSAM, COBOL, REXX, JCL.**

**Kentucky State Government – Frankfort, Kentucky**  
**Programmer/Analyst**

**1984 – 04/1987**

- Developed an educational training system for the Public School System using C.
- C, Cobol, DEC/VAX, PDP, VMS, RSTS, IBM PC, Windows, and DOS.**