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## Senior Software Developer ▪ Software Engineer ▪ Consultant

Accomplished Senior Software Developer and Project Team Member, thoroughly experienced in all phases of the full life cycle of developing and implementing advanced software systems solutions, working within a wide range of development environments and application domains, supporting company-wide and web-based systems:

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| **▪ Requirements Analysis**  **▪ Top-level, Detailed Design**  **▪ Coding, Testing & Documentation**  **▪ Server Setup & Maintenance** | **▪ Windows-based Applications**  **▪ Database Applications**  **▪ Graphical User Interface (GUI)**  **▪ Software & Web Applications** | **▪ Object-oriented Programming**  **▪ Relational Databases**  **▪ Prototypes; User Interface Screen & Database Table Designs** |

* Highly motivated software developer with proven history of producing complex applications on time and within budget. Detail-oriented analyst. Strong interpersonal and communications skills.
* Analytical thinker with excellent problem-solving skills and keen ability to identify a problem, evaluate solutions, and determine the best course of action to meet customers’ stated objectives. Adept at uncovering inconsistencies, flaws, and omissions in requirements, designs, code, or documentation.
* Working knowledge of computer platforms, applications, performance standards, integrated development environments, and web-development tools. Train and mentor others in such technologies. Define requirements, develop and implement designs for large-scale systems. Provide end-user support.
* Active Secret Clearance.

## *Technical Proficiencies*

**Visual C# .NET, Visual Basic .NET, ASP.NET, ASP.NET MVC, HTML, XML, JSON, CSS, Bootstrap, JavaScript, JQuery, AngularJS, SQL, C, C++ ▪ Entity Framework, ADO.NET, LINQ, AJAX, Web API ▪ Infragistics & DevExpress Controls ▪ SQL Server, Oracle, Access ▪ Microsoft Visual Studio, Visual SourceSafe, TFS, Excel, Word, Outlook, Visio**

## Professional Experience

##### SENIOR Software Developer/Computer Consultant 1986 to Present

Banner Software, Inc., Columbia, MD

*Recruited as a Senior Software/Web Developer (subcontractor) by industrial and government organizations to participate on multidisciplined project teams for varied complex contracts. Provide technical support to clients and work closely with customers to troubleshoot issues and provide software systems solutions to service and program needs.*

***Selected Projects:***

**Institute for Defense Analyses, 08/2012 to 06/2014**

* Developed a web-based catalog for storing, searching, and retrieving test capability information about Counter Improvised Explosive Device Research, Development, Test and Evaluation facilities and ranges across the Department of Defense and Other Government Agencies.

Technology: ASP.NET, Visual Basic .NET, SQL, ADO.NET, HTML, CSS, Bootstrap, SQL Server

**Silber & Associates, 03/2012 to 07/2012**

* Implemented a web-based opinion survey to evaluate the usability and content of the National Institute on Drug Abuse for Teens website.

Technology: ASP.NET, Visual Basic .NET, SQL, ADO.NET, JavaScript, HTML, Access

**Computer Innovative Design, 11/2011 to 01/2012**

* Worked on updates to a WCF Service for transferring financial data from the Fish and Wildlife Service and the Office of the Secretary of the Interior Fire Bureaus to the Wildland Fire Budget Execution Reporting Tool, whose purpose is to provide accurate and timely funds status reports for the Office of Management and Budget, Congress, and Department of Interior officials.

Technology: ASP.NET, Visual Basic .NET, SQL, Oracle, WCF Services

**Human Resources Research Organization, 11/2011 to 12/2011**

* Created a prototype of the Feedback Report Module for the Leadership Assessment Test Delivery and Reporting System being developed for the Defense Civilian Personnel Management Service of the Department of Defense.

Technology: ASP.NET, Visual C# .NET, SQL, ADO.NET, SQL Server, HTML

**Institute for Defense Analyses, 03/2005 to 09/2011**

* Participated on a project team that developed the Force Oriented Cost Information System (FOCIS), an analytical tool used by high-level military and civilian planners to analyze and define a country’s multi-year national defense program.
* Created a user interface localization scheme that permits on the fly translations.
* Produced the cost modules for defining the monetary resources needed to procure, support, operate, and maintain all organization assets and activities.
* Worked on the reports module that provides pre-defined and customized pivot table reports.

Technology: Visual Basic .NET, SQL, ADO.NET, SQL Server 2005, Infragistics & DevExpress Controls

**InPhonic, 10/2004 to 04/2005**

* Developed private-labeled e-commerce websites for online businesses, member-based organizations and associations, and national retailers for selling wireless services and devices.

Technology: Visual Basic .NET, Visual C# .NET, SQL, ASP.NET, ADO.NET, SQL Server 2000, XML, XSLT, HTML

**Human Resources Research Organization, 07/2003 to 07/2004**

* Implemented the Classification Decision Support System (CDSS), an interactive tool developed for the U.S. Air Force Directorate of Personnel Force Management.
* CDSS offers customizable analyses, reports, and plots to support the personnel decision-making and reporting requirements of Air Force managers and public policy analysts.

Technology: Windows 2000, Visual C++, MFC, Quinn-Curtis GCL, HTML Help

**Technology Information Services, 04/2003 to 06/2003**

* Developed enhancements for the accounting and inventory components of a web-based application used by MARC Promotions, the promotional products division of integrated marketing agency MARC USA, to administer its online stores.

Technology: Linux, PHP, MySQL, HTML, JavaScript, SQL

**EDS, Navy Marine Corps Intranet (NMCI), 09/2001 to 03/2003**

* Participated on a project team that developed an online Customer Satisfaction Survey and Reporting System for EDS as part of the NMCI contract.
* Developed critical data summaries, managed the test servers to ensure timely testing and demonstrations, and provided a final product rich in functionality and of high quality.
* Drafted product specifications, requirements, and detailed system installation and administration manuals.

Technology: Windows 2000, IIS, SQL Server, ASP, VBScript, HTML, JavaScript, SQL, ADO

**ExxonMobil, 05/2001 to 08/2001**

* Hired to develop a Loss Prevention System (LPS) application — a data entry system used to record accidents, safety audits, and other related information nationwide.
* The LPS project delivered an Intranet-based reporting and analysis system. Completely rewrote the present client server windows application, enhancing several critical functions and successfully migrating existing data and reporting mechanisms in a manner that minimized transition difficulties and prevented loss of historical data.

Technology: Windows NT, IIS, Visual InterDev, SQL Server, ASP, VBScript, HTML, JavaScript, SQL, ADO

**Deutsche Bank, 02/2001 to 04/2001**

* Performed needs analysis and defined requirements for a web-based system to generate various reports for the Fund Accounting Group. Analyzed existing systems and interviewed users.

Technology: Windows NT, Visio, Crystal Reports, Access, Excel

**Advertising.com, 07/2000 to 12/2000**

* Hired to develop and maintain web-based administration applications used to manage thousands of online advertising campaigns, which served ads across all forms of media: web, e-mail, and wireless.

Technology: Windows NT, IIS, Visual InterDev, SQL Server, MySQL, ASP, VBScript, Unix, WebLogic, Oracle, JSP, Java, HTML, JavaScript, SQL, JDBC

Previous Experience:

* Logistics Management Institute, 10/1996 to 04/2000*—Created Java classes for the User Authentication and Administration modules of the Federal Commons System, an Internet grants portal. Developed web-based aviation models used by NASA to evaluate the impact of technologies and policies.*
* Disclosure Incorporated, 03/1996 to 11/1996*—Implemented a financial statement analyzer.*
* Logical Software Solutions, Inc., 03/1994 to 02/1996*—Developed and implemented an Administration Module for a workflow tool to automate complicated business processes.*
* Conquest Inc., 01/1994 to 04/1994*—Developed GUI for intelligent information retrieval system.*
* Arthur D. Little, Inc., 03/1990 to 07/1995*—Designed and implemented a complex transportation decision support system for the U.S. Postal Service.*
* SCC Inc., 03/1990 to 05/1994*—Designed and implemented a graphic geofile manager for a 911 computer-aided dispatch system.*
* Institute for Defense Analyses, 01/1986 to 02/1990 (Top Secret Clearance)*—Designed and created national security databases and applications for the Department of Justice and FBI.*

#### Education

▪ M.S. in Computer Science, University of Maryland

▪ B.S. in Zoology, University of Maryland

▪ **E-learning Solutions Companies, current (Pluralsight, LearnNowOnline**)

#### Contributing Author & Notable Award

* “Benefit Estimates of Terminal Area Productivity Program Technologies”, NASA, 1999.
* “An Integrated Tool Set for the Development of Advanced Signal Processing Software”, NAECON, 1984.
* Invention Disclosure Award for the Directed Graph Design Tool, 1988.