**DONALD C. OTONNAA**

**Senior .NET Software Applications Developer (Desktop/Web)**

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**SUMMARY**

* **MS Software Engineering** - University of Maryland(University College) – Expected May 2016
* **Web Developer Certification from Georgetown University** – June, 2003
* **Client/Server Certification from George Washington University** – June, 2000
* Over 15 years’ experience in Software Development with track record of delivering on time. Hands on experience in all phases of Development Lifecycle (SDLC) including Planning, Design, Development, Testing and Deployment. In depth experience in architectural design, evaluation of products, feasibility studies, task scheduling, documentation, and production support.
* Worked in large projects in both federal and private sectors with fortune 500 companies such as General Dynamics IT, Lockheed Martin, Johns Hopkins HealthCare, Computer Sciences Corporation and the American Chemical Society. Government experience includes work with DOD – (Walter Reed Army Institute of Research), Homeland Securities (TSA), DOJ (INS–STARS), United States Patent and Trademark Office, National Institute of Health, Federal Aviation Administration (Air Traffic Control ATX-400), Department of Energy, US Mint, DOE and USDA.
* Worked closely with customers to resolve issues and improve usability.
* Skills include MVC(3 and 4), WCF,WPF, C#, VB.Net, VB COM,VB 6.0, ASP.Net, ASP Classic, C/C++, ADO.Net, Entity Framework, AJAX, JQuery, AngularJS, JSON, XQuery, IIS, XML, XSD,XSLT, CSS3, HTML5, LINQ, XHTML, Visual Studio.NET (2003-2012), Team Foundation Server 2010**,** Visual SourceSafe, Remedy, SQL Server 2014 (and prior versions) , PL/SQL, Oracle 8i/9i/10G, VBScript, JavaScript, Shell Scripting, VBA/ Access Database Programming, Advanced Word Object Programming with VBA, Crystal Reports (8.5 to 12.0), SQL Server Reporting Services and a well-structured understanding of Object Oriented Programming Methodologies and the Microsoft .NET Frameworks 2.0 to 5.0
* My thesis for the Masters of Software Engineering program at UMUC is focused on Usability Engineering and User Interface Enhancements. This had led me to, among other things, learn and acquire skills in Contextual Inquiries using *Morae* (Observer, Recorder and Manager), and the *Camtasia Studio*. The emphasis is on designing, enhancing and modifying user interfaces with the goal of implementing an inclusive design concept that would render a friendlier and more enriching end- user experience. This involved the use of rapid prototyping tools like *Axure RP Pro*

**WORK STATUS AND SECURITY CLEARANCE**

* **Citizenship:** United States
* **Security Clearance:** 
  + Was Cleared for Top Secret in 2010. Investigation Completed but not active now

**EDUCATION**

* MS Software Engineering - University of Maryland (University College) (Expected 05/16)
* MS Chemical Physics**[[1]](#footnote-1)** -University of Maryland, College Park, Maryland 6/87
* BS Chemistry - Kent State University, Kent, Ohio
* BA Physics - Kent State University, Kent, Ohio

# EXPERIENCE

# ICF International/CTIS Inc. - DAIDS Regulatory Support Center for (NIH/NIAID) December 2014 – August 2015

# Rockville, MD

**Senior System Analyst/Technical Lead (.NET) – 6 Months Contract. Extended to 9 months**

*Senior Team Member for the ICF International/CTIS Inc. team responsible for supporting the DAIDS /Reliant Applications for NIH and NIAID*.

My duties included:

* Worked independently on highly complex applications written in .NET (C#)
* Created a single page application to search for names and side effects of drug and antibiotics using MVC 4, CSS3, HTML5 and AngularJS JSON, jQuery and Ajax
* Established functional and technical specifications and estimated effort that accurately reflected the design requirements and standards of the applications
* Facilitated design meetings with users, management and architects
* Followed and helped to establish architectural standards
* Analyzed database constructs and created database design specifications associated with new development or enhancements
* Developed solutions to a variety of complex problems using custom tools to update SQL stored procedures in production database after simulating , identifying , and resolving the issues in the development environment
* Prepared test data, test, and documented results for unit testing
* Created and delivered documentation as necessary to ensure proper use of changed and newly implemented efforts
* Supported existing systems following documented procedures for change control and issue tracking and prioritized and escalated issues
* Analyzed production issues as necessary to determine the cause of the issue and determined the necessary course of action for resolution.
* Provided customer support and conducted customer training as required.
* Participated in planning schedules and arranging own activities
* Regularly contributed to the development of new concepts, techniques, and standards
* Conducted seminars and presentations on topics of interest to the Software Development Group

**AceInfo Solutions Inc. /USDA-FAS – Office of the Chief Operating Officer August 2014 – October 2014 Washington, DC**

**Senior Consultant (2 months contract to fill in for an absent employee)**

*Senior Team Member for the AceInfo Team that worked on the USDA-FAS (Foreign Agricultural Services) – Unified Export Strategy (UES) Application Upgrade*.

* Performed some quick and urgent enhancements on the UES application that is slated for upgrade. This was application is huge and was written in MVC 3.0, MVC 4.0 and C# and utilizes .NET framework 4.5 with Microsoft Entity Framework, LINQ to Entities, LING to SQL, LING to Objects, and several cutting-edge technologies.
* Modified created and modified several SQL Server (2008) stored procedures to implement new business processes and enhancements
* Used Adipose to obviate the need for installing Microsoft Office and Adobe Acrobat in the server and still be able to create, modify, export and import office documents like Word, Excel, Outlook, PowerPoint and also PDF files from the .Net environment.
* Created new page validation procedures that utilized jQuery and AngularJS.
* Utilized web services and .NET APIs
* Improved the User Interface appearance with the use of CSS3 and HTML5
* Designed client pages that utilized AngularJS to automatically populate data forms and create a multi-search functionality using some JSON files.
* Used Team Foundation Server (TFS) for versioning, releases, bug tracking, etc.

# ActionNet Inc. /Department of Energy – Office of the Chief Information Officer October 2012 – June 2014

# Germantown, Maryland

**Senior Consultant (Team /Technical Lead and Manager)**

*Technical Lead for Corporate Information Management Center (CIMC) project*that tracks funding information for the DOE IM-10 and IM-13 internal funding memo processes.

* I (my team) inherited a very slow running application and was tasked with improving the performance and make it faster. In a matter of months, under my leadership, the bottles necks were identified and fixed and the application was running much faster. This involved several modifications in codes, database objects and processes.
* I was able to eliminate multiple tracking spreadsheets and made the system faster to access with increased process transparency. (This was one of the process improvements performed).
* The CMIC application now allows for immediate access to real time data that can be used for responding to customer inquiries and management needs.
* The application utilizes SQL Server 2008 database and had workflow of key business processes leveraging the SharePoint platform.
* The web application was designed using ASP.Net 3.5 with a mixture of C# and VB.Net codes.
* The reporting was done with a mixture of SQL Server Reporting Services and Crystal Reports version 11.
* I developed a side tool for tracking inventories of all items suppled to the procurement department of the organization using MVC 4.0, Entity Frameworks, AngularJS, LINQ to SQL,LINQ to Entities, JSON and XML.
* The application features several fancy UI tools utilizing AJAX, CSS, CSS3, HTML, HTML5, JavaScript and JQuery.
* Created a new System Design Document and Functional Requirement documents for the once highly anticipated *NextGen* CIMC Application.

# General Dynamics IT / (DOD - Walter Reed Army Institute of Research) November 2009 – September 2012

# Silver Spring, Maryland

**Senior Programmer/Analyst (Applications Lead)**

*Application Lead* on the Multi-Drug Resistance Organism Repository Surveillance Network – MRSN - development team. Developed very robust window and web based applications for tracking MDRO infections in hundreds of Military Treatment Facilities within the United States and abroad. I developed an interim application using VB.NET, MVC 4, ASP.NET, SQL Server 2008 and VBA Access. This application was later transformed into a full service oriented web application using ASP.NET 4.0 that utilized WCF to distribute services to other allied medical research organizations.

* I was one of the three key players that started this project from scratch, completed an SDLC using the Agile Development Methodology and successfully transformed the ideas and dreams of some senior military medical doctors and laboratory technologists into a full-fledged application.
* Developed inventory modules that incorporated and configured a *Zebra 430t* barcode printer for Isolates Inventory Tracking.
* I create an on-the-fly mechanism for transferring flat files that come in as spreadsheets, CSV files, etc. into XML and generated an XSD that was later used to transfer the data to SQL Server database using XSLT and SQL Bulk Copy and XML
* Used *Workflow* to develop routines for transferring disparate antibacterial data files from the three medical laboratory equipment – Microscan, Vitek2 and Phoenix – for discrepancy analysis against data from other military installations.
* Created a very impressive front end to the application with the help of CSS3, HTML5 , JavaScript and JQuery
* Utilized some Axure RP rapid prototyping tools to create prototypes of the application for review and approval by the clients

# Applied Technologies Corporation / Transportation Security Administration May 2009 – November 2009

**(Insight Global Inc.)**

**Crystal City, Virginia**

**Senior .NET Web/Crystal Reports Developer (6 months contract)**

*Senior Consultant*on a host of *Transportation Security Administration* projects under contract with Applied Technologies Corporation

* Most of the work was focused on re-designing a series of web-based .NET applications, specifically *STIP* – *Security Technology Integrated Program*, *TSE* –*Transportation Security Equipment* and *GPM* – *Government Property Management* - using ASP.Net front end and a VB.NET code-behind. Back-end was in Oracle 10G. The reporting tool used was Crystal Reports Version 11.5. The .NET framework used was 3.5 along with CSLA Framework and the MVC 2.0 Design Pattern.
  + Created a new web application based on requirements from existing applications.
  + Extensive use of web services
  + Met with clients from TSA to gather requirements for recommended modifications.
  + Wrote Design Documents for the web sites and pages created
  + Created several highly advanced Web based Crystal Reports using Crystal Report version 11.5. Extensive use of Crystal Cross Tabs, Sub Reports and OLAP Cubes. Reports were directly embedded in the web application. Used *Telerik Grid* to display other report types.
  + Created many PL/SQL procedures using Oracle version 10G and SQL Navigator.
  + Assisted in the Deployment of the Application to hundreds of users.

# Lockheed Martin Corporation / (US Mint Technology Services) June 2008 – May 2009

**(Edge Technologies Inc.)**

**Washington, DC**

**Senior Programmer/Analyst (1 year contract position)**

***Senior Consultant*** on several *United Mint* projects under contract with Lockheed Martin.

* Most of the work is focused on maintaining and modifying some existing ASP.Net using Net framework 3.0 and Visual Basic 6.0 applications with Oracle 10G back-end and creating and modifying some Crystal reports in the US Mint’s – *Die Information System-* application*.* 
  + Created new web pages and modified existing pages for many US Mint intranet applications using ASP.Net –and .Net framework 3.5 and VB.Net.
  + Created and modified the Security Module using ASP.NET MMC and Integrated Windows Authentication to create hierarchical access for various users within the organization.
  + Consolidated various web technologies used in the US Mint intranet web site into one technology. This reduced the overhead cost of maintaining and managing the site.
  + Created new Crystal Reports and modified existing reports using Crystal Report version 10
  + Created new functionalities and modules in VB 6.0 and COM to support existing Mint’s Applications
  + Helped in Testing and Deployment of the Application to several users in 6 major cities.
  + Conducted teaching sessions for the DIS (Die Information System) for junior programmers and developed a Help Files for users
  + Upgraded the User Guide for the Mint’s Die Information System Application.
  + Created and modified many stored procedures using Oracle PL/SQL

# US Department Of Justice – US Parole Commission November 2007 – June 2008

**(International Software Systems Inc.)**

**Chevy Chase, Maryland**

**Senior Programmer/Analyst (6 Months Fixed Contract)**

*Senior Consultant*on several *United States Parole Commission* projects under contract with the International Software Systems Inc.

* Most of the work was focused on converting several legacy Visual Basic COM applications to VB.NET while maintaining a common reference and Interoporability with both application types.
* Extensive use of the *Interface Class* to assure Visual Basic 6.0 compatibility with the NET DLLS and expose .NET types to COM.
* Extensive use of COM
* This conversion made the application faster and made it much easier to deploy.
* Changed all existing Visual Basic 6.0 Data Reports to Crystal Reports Version 11.0.
  + Helped in Testing and Deployment of the Application to several users.
  + Back-end was with SQL Server 2000 and some Microsoft Access Data Base
  + Used VBA/ Word Object Programming in many of the applications.
  + Created an Intranet Application with ASP.NET front end with mostly VB.Net for the code behind and a lot of JavaScript and DHTML.
  + Used Visual Studio 2005 with extensive utilization of most of the Net framework 2.0 utilities.

# Computer Sciences Corporation/ (The Computer Merchants LTD) July 2007 – November 2007

**Alexandria, Virginia**

**Senior Programmer/Analyst (3 Months Contract)**

***Senior Consultant*** for several *United States Patent and Trademark Office* projects under contract with the Computer Sciences Corporation.

* Worked with the *Office Action Correspondence Subsystem (OACS) Application*. This application uses a central Oracle Database and a proxy Microsoft Access Database for the Clients work stations. Application was designed with Visual Basic for Application using the Microsoft Word Object Module. There is also an ASP (Classic) front end for retrieving and updating data from the central (oracle 9i) database.
* Did maintenance and enhancement work on the Application
  + Added new functionalities and capabilities to the OACS Application based on Client requirements and requests. Added some cosmetic and code modifications to the ASP and VBA Graphical Interface by adding new Active-x Components and eliminating several redundant codes and thereby reducing the size of the application and improving its overall performance.
  + Helped in Testing and Deployment of the Application to thousands of users.
  + Wrote part of the Detailed Design Document for the subsequent releases of OACS versions

# National Institute of Health (Office of Research Services) / (TekSystems) January 2007– July 2007

**Bethesda, Maryland**

**Senior Programmer/Analyst (Contractor - 6 Months Contract)**

*Senior Consultant*for multiple web applications in Classic ASP and ASP.NET

* Maintained and added new functionalities for different existing applications. These applications were written in ASP Classic and ASP.NET with both VB.NET and C# using Net Framework 1.1 and 2.0
  + Added an administration module and a user maintenance module to the NIH *Interpreting Services* Application using.
  + Modified and added new functionalities to the *POTS* Application.
  + Modified and enhanced the Active Directory modules
  + Modified and Created new Stored Procedures in SQL Server 2000 for the newly added functionalities
  + Did several elaborate fixes for several other applications in ASP and ASP.NET.
  + Created several new classes and modules to make the existing application more object oriented
  + Extensive use of Remedy for error tracking
  + Added a lot of Client-side scripting using JavaScript

# Newspapers Association of America March 2006 – December, 2006

# (Project Management Group) / (Sapphire Technology)

**Arlington, Virginia**

**Senior NET Programmer/Analyst (Contractor - 6 Months Contract)**

*Senior .NET Consultant* for a very large VB.Net /ASP.Net Project.

* I, solely, redesigned the *NAA\_Newsprint* Application for NAA. This application was originally designed by a group of consultants using *Large-XML* software with lots of JavaScript and VBScript codes and modules. The back-end was in SQL-Server 2000 and the Net framework used was version 1.1. My task was to re-create this application as a web application using VB.Net and ASP.Net in such a way that the application maintained the same look and feel as the original application.
  + Created new tables, Views and SQL User Defined Functions and stored procedures.
  + Created Survey forms that were sent to hundreds of Newspaper organizations across the United States and Canada. This involved creating a mass e-mailing module using Simple Mail Transfer Protocol (SMTP). This was integrated with the application.
  + Synchronized the Active Directory Module with SMTP
  + Created in-code and stand-alone reports using Crystal Report.Net and Crystal Report 10.
  + Created user log tracking capable of tracking all activities for each user.
  + Designed several Cascaded Style Sheets to enhance the look of the application.

# American Chemical Society (*Society Software Engineering*)/ (Imagination LLC) April 2005 – December 2005

## **Washington DC**

**Senior Programmer/Analyst (contractor)**

*Program Lead* for Visual Basic.Net and all Microsoft Related Applications in the *Society Software Engineering Group* of the American Chemical Society.

* I was the **only one** working on this application and did it from scratch. I designed a Master Switchboard ~ *the Association Plus Master Interface* ~ to consolidate all Microsoft Access Reports within the American Chemical Society. Prior to this there were several independent reports and databases for the various departments within the American Chemical Society. The application has the following capabilities:
  + Ability to access each department’s reports from this switchboard with each department members having access to only their department’s reports.
  + An embedded security system with hierarchical access format.
  + An embedded users’ maintenance system where users’ privileges and information are updated, deleted or added by administrators or super users.
  + A report maintenance section where the departmental reports are updated, added or deleted.
  + A user log tracking capable of tracking all activities and login/logout time for each user.
  + Application is capable of viewing Microsoft Access, Microsoft PowerPoint and Microsoft Excel documents in addition to the Microsoft Access Reports.
* Created a simple VB.Net registration application as an inward pointing web application.
* Created a version of the Switchboard using VB.NET with Access database.
* Utilized Visual Basic 6.0, VBA/Access 2000, ADO, Crystal Reports 10 and SQL Server 2000
* Created User Document and Help File for application

# Johns Hopkins HealthCare LLC Inc. (*Decision Support Services*)/ (CPSI) October 2004 – April 2005

**Glenn Burnie, Maryland**

**Senior Programmer/Analyst (Contractor - 6 Months Contract)**

Senior Member of the Johns Hopkins DSS Team (Decision Support Services)

* Re-designed the *Short Term Disability Application* (STDA) for the Johns Hopkins HealthCare. This application tracks Short Term Disability Payments for members using some sets of rules and criteria to determine eligibility for payment and how much stipend was to be paid. Data was captured and fed into the database from *Ulti-Pro Services* and *Broadway Services*, which ultimately were extracted with stored procedures to populate the resident databases. The application was written in VBA/Access 2000 and Visual Basic 6.0 with a SQL Server 7.0 back-end. The application is in compliance with DOD rules. In-code SQLs were prohibited and every Stored Procedure was encrypted
* Met with Clients to gather requirements for the project to help set the project scope definitions.
* Analyzed the gathered requirements and set requirement definitions using ERD’s, Matrix diagrams and dataflow diagrams.
* Re-wrote the requirement document for the project.
* Wrote some very elaborate encrypted Stored Procedures and Codes using SQL Server 7
* Utilized a lot of commenting in my codes for readability and added a lot of validation texts.
* Utilized ADO 2.5 and higher in manipulating my recordsets and connectivity
* Re-designed tables, Created new tables and Views and rebuilt the Graphical Interface for the Application. Rechecked all the tables’ keys and relationships and set new constraints and maintained proper referential integrity for the database.
* Wrote the test script for the testing of the application.
* Wrote a detailed Help Document for the End users of the application.
* Was part of the group that designed the *MAPET* *Software* This application was also designed in Access/VBA and utilized a lot of encrypted Stored Procedures using a SQL Server 7 back-end.
* Designed several elaborate reports using Crystal Reports 10. Most of these reports have sub-reports and calculated formulas and several parameters via Stored Procedures.
* Extensive use of Visual SourceSafe and Visual InterDev 6.0

# NobleSoft Solutions September 2003 – September 2004

**Adelphi, Maryland**

**Co-founder/Instructor/Programmer**

As a founding member of this organization my goals for *NobleSoft Solutions* were to:

* Design Web based and Stand Alone applications for Mathematics and Science for the public schools.
* Acquire Contracts to instruct High School Kids in small settings on how to program using Visual Basic 6.0, VB.Net, Access Database Development, SQL, Word Excel, PowerPoint, HTML, DHTML, Cascaded Style Sheets (CSS), VBScript, and JavaScript with emphasis on how these could be used in solving Science and Mathematical problems. This was to be within the framework of the High School education curriculum for the states and counties involved.
* Conduct an In-house basic computer training for elementary and high school students whose parents have elected an in-home education.
* Conduct in-house computer training for adults who would not have time to attend a computer training center or seminars or who may not feel comfortable in a full classroom setting.
* Design affordable desktop applications for small businesses e.g. Inventory System, Timesheets, etc.
* Teach and instruct students in other areas of computer science in a computer school setting.

Up until September 2004 we had a total of eleven students and three instructors, with each instructor focusing on his area of interest and expertise. My area was Database Programming and Web Design. I taught Visual Basic 6.0 and Database Designs using Access 2000, Back-End Programming using SQL Server 7. I also taught HTML, ASP, VBScript, JavaScript and Cascaded Style Sheets. This organization has ceased to exist.

# Federal Aviation Administration / (AMTI) January 2002 – September 2003

**Washington DC**

**Software Application Developer (Contractor)**

* Task Lead for the *Radar Off-Load* Intranet Software development project
* Worked with the *Mission Support Development Team* (MSDT) on the CRU-X project.
* Work closely with the FAA customers to develop software interfaces for Air Traffic Control Radar System for ATX-400.
* A lot of maintenance and redesigning work for projects already written in Java and C++
* Database programming using Visual Basic.Net, Visual Basic 6.0, VBA/Access and VBA/Excel.
* Web Application programming modifications involving Visual Basic.Net, ADO.Net and ASP.net
* Several Web Development Assignments using ASP, JavaScript, VBScript, HTML and CSS.
* Developed a robust Visual Basic 6.0 Parser program that tracks radar information for hundreds of flights. This project uses a class module to parse very long unformatted delineated "junky" strings to a well-formatted, readable and tabulated format and extracts fields for speed, time and altitude for a 2-D and 3-D graphical presentation of the Radar Replay Simulation for the flight.
* Back-end Database Programming and development with Oracle 8i, PL/SQL and SQL-Server 7.0
* Extensive use of Visual SourceSafe and Visual InterDev 6.0.
* Report Design Implementation in Crystal Reports 8 and Visual Basic 6.0 Data Report Designer.
* Developed Manuals, Help Filesand Documentation on *How to use and run the Program* for end users of the software.
* Software Development life Cycle (SDLC) implementation

**Lockheed Martin Corporation (Information Support Services) June 2000 - December 2001**

**Washington, D.C**

**Software Engineer (Applications Development)**

* Key player in the *DOJ Case Processing Web Pilot Project* for the INS-STARS.
* Lead Tester for the VIS Project ~ CPS Web Group (Was lead Tester for the first 3 months)
* Software system development in VB.Net, Visual Basic 6.0, C/C++, Java (J2EE), HTML, ASP, JavaScript, VBScript, DHTML, XML, IIS. Majority of work was done in VB 6.0 and ASP.
* Designed a stand-alone Visual Basic 6.0 *User Maintenance Screen* for the INS-STARS project.
* Backend development using Stored Procedures, Triggers, PL/SQL, ADO 2.5, Oracle 8/8i and Microsoft SQL-Server 7. Used SourceSafe extensively.
* Report Design and implementation in Crystal Reports 8.5 and Oracle-Reports. Converted several existing reports in Visual Basic Data Report 6.0 format to Crystal Report 8.5 format.
* User Interface Design and Enhancement and Packaging and Deployment for web applications.
* Rigorous Maintenance work on the INS-VIS Project using Java2 and C++.
* Hands on experience with Software Developmental Life Cycle (SDLC)
* Met with clients from the Justice Department (INS) to gather requirements for the project to help set the project scope definition.
* Analyzed the gathered requirements and set requirement definitions using ERD’s, Matrix diagrams and dataflow diagrams.
* Wrote user manual and documentation to enable users and technical staff and trained a few officials from INS on how to use the program as stipulated in the program manual.

**UniSoft Technologies (School of Technology) January 1995 - December 1999**

**Hyattsville, MD**

**Programmer and Computer/ Instructor**

* Worked on several large projects involving Pascal, C++, Visual Basic 5.0 and Access/VBA for clients in the Software Development Division. Most of the work was done in Visual Basic 5.0
* Extensive Backend Programming with PL/SQL and SQL-Server 7.0
* Canvassed for new business ventures and met and discussed with clients as part of the developmental life cycle for the software designed.
* Developed part of the instructional handouts for the students.
* Designed Web applications using *WebMaster* Pro, HTML, VBScript and JavaScript.
* Taught MS-DOS, Windows 3.1, Windows 95/98, Microsoft VB/Access and Word.

**Liquid Crystal Institute** **September 1989 - June 1991**

**Kent, Ohio**

**Research Assistant**

* Participated in a study of Glass Tinting Mechanism using the dynamic scattering properties of some liquid crystal compounds and investigated factors that affected the stability of aligned crystals under heavy ultra-violet radiation and extreme temperatures.
* Wrote and Implemented algorithms for Chemical software using C, Pascal and Fortran 77
* Participated in a research study of the Nematic Orderings in the Liquid Crystal Compound ~ MBBA (MethoxyBenzylidene-ButylanAiline).

**SOFTWARE TRAINING/ CERTIFICATIONS**

**Web Developer Certification: Georgetown University (01/2003 - 06/2003)**

Emphasis is on JavaScript, VBScript, ASP, HTML, XML, XSD, XSLT, DHTML, CSS, and Databases, Apache Server, Building ASP components with SQL-Server and ADO, Building E-Commerce Shopping Cart Applications and Credit Card Verifications, etc.

**Client/Server Technology Certification**: **George Washington University** **(01/00 - 06/2000)**

Emphasis was on Advanced Concepts in Visual Basic 6.0 and COM, PL/SQL and Oracle 7.0/8.0, PL/SQL stored procedures in Visual Basic 6.0, SQL-Server 7.0, Visual SourceSafe, Client/Server Applications using Visual Basic 6.0 and Client/Server Applications using PowerBuilder 7.0.

The programming had a two - track approach using Visual Basic 6.0 and PowerBuilder 7.0

**PUBLICATIONS**

* Permanganate Peroxidation of Cyclohexene.II. The Unusual effect of Turbulent Stirring and Dilution upon Glycol Yields. Canadian Journal of Chemistry. Volume 62. No. 1. PP 11-15. Work was done at the Department of Chemistry, Kent State University, Kent, and Ohio.
* I have submitted several visual basic code snippets to **VBCode.com** - including
  + Using sliders to adjust values of Color Constants to produce varying combinations of RGB which in turn produces different colors in concentric and triangular modes.
  + A comprehensive class module for validating a date text box using the MM/DD/YYYY format for VB.NET and VB 6.0
  + Using Mathematical manipulation and multi-dimensional array constants to track and predict the outcome of world cup soccer **·**
* Web Sites I designed on the side: (Pro bono): [www.swahilirevival.org](http://www.swahilirevival.org)

1. *Did not complete* [↑](#footnote-ref-1)