

Charles A Gallo

Microsoft Certified C# Product Specialist - MCSD in VB/Microsoft Access

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Software developer doing both Team lead and independent development with little or no supervision in the Embedded System, Legal, Business Intelligence, Fund Raising/Educational, Financial, Banking, Media, Insurance fields. Responsible for entire life cycle from gathering customer requirements, design and development to deployment maintenance and customer support.

- C# (C Sharp), JavaScript VB.NET, VB Classic and VBA (Blackbaud and Excel)
- Object Oriented Design and Analysis (OOD /OOA)
- XML, HTML5, CSS3, Bootstrap, jQuery, Telerik Kendo UI, Blazor, Syncfusion Blazor UI
- Visual Studio 2001-2022, .Net Framework, .NET Core and .Net 6
- Bloomberg, BlueExpress, Maconomy and proCube APIs
- RESTful Interfaces
- Blackbaud 'Raiser's Edge'
- SSRS, Crystal Reports, Active Reports
- WinForms, WPF, MVC, ASP.NET, Blazor (Client Side)
- Source Code Control (GIT, Bitbucket, Mercurial Hg TFS Subversion –SVN, Vault, JIRA, Azure Devops, VSS)
- Database Design and Development (SQL Server 2016, and earlier), T-SQL (DDL, DML, DCL and TCL), SQLite
- TDD and Agile
- WCF, Web API, MSMQ, RESTful API, MQTT
- LINQ, WiX, Azure
- .NET Core (Including Unix), Docker, Microservices
- Business analysis and requirements gathering, for full SDLC
- Management of Software Development teams

PROFESSIONAL EXPERIENCE

Atlas Scientific, Long Island City, NY

2020-current

SR SOFTWARE ENGINEER/SR MACHINIST

- Develop AtlasIoT, a .net based product running on Raspbian to read and display their range of EZO products
- Develop AtlasIoT for Windows – version of AtlasIoT that runs on Windows
- Develop Differential Water Application for US Military Contracts
- Develop Military Water treatment application to TB-MED-577.
- Develop tester for USB <-> Serial board
- Setup company's Machine shop
- Design and build various jigs and fixtures for machining enclosures for the various products above
- Assist on development of upcoming Turbidity Sensor
- Assist on development of various processes to manufacture probes in house

Icon International, Greenwich, CT

2019

SR SOFTWARE DEVELOPER

- Install and implement Bitbucket for source control (from TFS)
- Install and setup Bamboo for Continuous Integration
- Improve performance on various reports. One went from 4+ minutes to sub 3 seconds.
- Develop RESTful API for reporting.
- Fix resource leaks in multiple windows services
- Test migration of SQL server from 2008R2 to 2014

Peckham Industries, North White Plains, NY

2018 - 2019

SOFTWARE DEVELOPER

- Develop application to distribute data to/from remote plants to enable integration of legacy POS System with new ERP System (RabbitMQ + Viewpoint ERP, WCF)
- Support and maintain legacy POS system. Performance significantly improved, closed dozens of open support tickets
- Develop application to import data from THREE legacy Timecard systems into Viewpoint ERP, including new business rules

- Modify Web Portal to work with new ERP system
- Start development of .NET Core on Unix fuel pump software
- Start port from unused SVN system to GIT and move to Azure Source Code. Get all legacy code into source code control

Frontline Education, Rockville Center, NY

2017 – 2018

SR SOFTWARE DEVELOPER

- Maintain Enrich application a Special Education Product, using ASP.NET, jQuery, JavaScript, SQL Optimization
- Increase general Query Speed to improve customer satisfaction (SQL Optimization)
- Help reduce backlog of support tickets from 100s to 5 (JIRA, ASP.NET, C#)
- Help reduce new feature request (ticket) backlog (ASP.NET, jQuery, JavaScript, C#, SQL)
- Source control in TFS, all used ASP.NET, jQuery, JavaScript, SQL, C#, Bug/Feature tracking in Jira, Slack, Aha!

9 Dots Management, Conshohocken, PA April 2015 – November 2017

SR DIRECTOR/SR SOFTWARE DEVELOPER

- Develop and maintain Main software products (Active Hands-on development)
- Manage companywide development efforts
- Develop company SDLC
- Update company Source code control to VSTS/GIT, and implement bug tracking methodology
- Manage consulting contracts for outside vendors (US, India, and Ukraine)
- Help maintain company's main products, ProCube and onePlan, an Excel add-in
- Convert onePlan to C#/VSTO, in order to remove dependency upon VBA
- Develop custom C# code to manage import of client data into Deltek Maconomy, using both the Maconomy bulk and RESTful APIs, in order to save clients significant effort in estimating deliverables in the LPM field
- Set on company strategic team, for 90- and 180-day corporate roadmap
- Develop company's AZURE strategies, develop .NET Core/ASP .NET Core web sites for clients (Microservices and Docker containers)
- Handle all support tickets on onePlan and ProCube
- .NET Core, .Net Framework, ASP.NET, REST API, AJAX, JSON, XML, MVC, Kendo UI, WCG, Microservices

BlueSkyMLS, Parsippany, NJ

2014 –2015

CONSULTANT – RAMEY INFOTECH / SR DEVELOPER

- Develop 'BlueSky' electronic filing system to file Mutual funds with various states. Refactor existing database (DML – aka Stored Procs and Functions) and design replacement SQL database including new DDL, DML, DCL and TCL. Enhanced data security. Designed new database for Public and Private Offerings. Design and development of inbound sales feeds. – T-SQL, Web API, XML, GIT, TFS, C#, VS2013, LINQ, Generics, WPF, MVC

Viacom, New York NY

2014 – 2015

CONSULTANT - MITCHEL MARTIN

- C# development of code to interface Viacom's existing media management system, Catapult with digital media transcoding systems from Elemental (RESTful API) and DigitalRapids (WCF interfaces). This included interfacing with their main database with nHibernate, subclassing of their existing systems, vendor interface, and development from specifications – T-SQL, LINQ, C# VS2013

McCabe, Weisberg& Conway P.C, Philadelphia, PA

2013- 2013

SR DEVELOPER

- C# and VB.NET development customizing TimeMatters a major Financial Legal software. Developed windows services to perform ETL to the internal dashboard system and monitor and load legally required background checks (SCRA), along with export to existing billing applications. The SCRA/Billing system allowed over \$100,000 dollars in additional billing in the few months of operation and cleared a large work backlog. System included XML parsing, FTP with data sites, and interfacing with a distributed SQL server system spread over 5 offices. C#, VB.NET, SQL, T-SQL, WinForms

Mitsubishi Financial Bank of Tokyo, New York NY

2012

CONSULTANT - MILLENNIUM SOFTWARE

- Conversion of VB.NET/Framework 2.0/WinForms/Windows XP applications to run on Windows 7, Framework 4, with testing. This work was completed in approximately 1/3 the previously estimated time.

- An WinForms application to ingest Client information (for the Know Your Customer Act) from numerous Excel spreadsheets, and using various algorithms assign this data into the new Know your customer application previously developed
- Design and develop a system to upload daily FIX and Swap positions to DTCC for Dodd Franks Act (DFA) compliance with one other developer (WinForms).
T-SQL, LINQ, WCF, VB.NET, FTP, VBA, SVN, WinForms, WPF

Teachers College, New York NY

2012 – 2012

CONSULTANT – ROBERT HALF

- Conversion of Raisers Edge VBA and VB6 code to .NET
Teachers College was upgrading their Raisers Edge (RE) product to a new version and required assistance on the conversion of their VB6 backend DLL to .NET, and conversion of the VBA code in RE to a later version of VBA
- Test entire VBA code and .NET code base, including code developed by other developers.
Code reviews and analysis to eliminate Performance backlogs. Assist in porting Source Code repository to JIRA
VB.NET, VB6, SQL, T-SQL, VBA, JIRA, SVN, Raisers Edge

Rockit Financial Co, Westbury, NY

2011- 2012

CONSULTANT -

Consulting in SQL Server, VB and C#. Extensive reporting with Active Reports. Source control via Vault. Including conversion of VB6 code to .NET

VB6, C#, Active Reports, T-SQL, SQL Server, WinForms

First Empire Securities, Hauppauge, NY

2010 – 2011

Fixed Income Investments

DEVELOPER

- Lead conversion of company from SourceSafe to Mercurial
- Lead Friday afternoon seminars on programming
- Developed Intranet site for collection of outside banking and business reporting (ASP.NET 4.0)
- Code reviews and analysis to eliminate memory leaks and crashes in existing systems (.NET)
- *CUSIP Listener* – IP based module to get securities information from Bloomberg (VB.NET/WinForms)
- *Propdesk Hedging Application* – Application to track P&L on fixed income hedges (VB.NET/WinForms)
- *Trade Monitoring for Traders* – Work on application to allow Bond desk traders to offer and lift trades from various ECNs (VB.NET, MSMQ, Uni and Multicast IP, Crystal Reports/WinForms)
- Work on various classes/subsystems on Broker and Trader applications (VB6, .NET, Crystal Reports)
- Conversion of VB6 to VB.NET

VB6, SSIS, VB.NET, C#, Mercurial, Bloomberg API, Crystal Reports, MSMQ, WPF, ASP.NET, WinForms, WPF

ABC Television, New York, NY

1998 – 2010

SR. DEVELOPER

System Architect/Developer for MARS, a large Media Archive and Retrieval System, which tracks over 4 million video tapes and stores 60-90 days of streaming 'proxy' video. This system contained multiple applications

- Developed Object Oriented Design, Originally in VB6, later applications in the system in .NET (VB.NET/WinForms and ASP.NET)
- Developed database design including stored procedures, triggers, database structure and physical partitioning in SQL Server (originally in SQL Server 7, ported to SQL Server 2005, and 2008)
- Ported various scheduling subsystems to C#

Election/Vote System – A suite of applications to ingest proprietary data feeds from the Associated Press, and make the data available to the analysts that 'Call' the elections

- Designed, developed, and tested VB.Net based data ingest application for 9 separate data feeds for storage in SQL Server. This application is entirely driven out of configuration files to allow for year-to-year changes without software modification (WinForms)
- System not allowed greater than 30 seconds backlog on election night at any time
- Assisted in analysis of data quality
- Maintained client application in VB6, and started on port to .NET (parts VB, parts C#)

ABC Newsroom Systems – A suite of applications to ingest news wires from The Associated Press, Reuters and other sources (23 in total), place them on the reporters' desktops, and allow them to write their stories.

Applications included:

- The Backtimer application (WinForms) to interface with Avid's iNews system to run in real time, written in VB.NET. This application allows shows such as Good Morning America to track the time used and remaining on their show to allow them to properly make commercial breaks, and the end of the show. Part of this system required the development of various web services
- The Comparator: A series of web services, plus DLL assemblies written in both C# and VB.NET, all tied together with a dispatcher application written in VB.NET, which stores data both in SQL Server and in the proprietary Avid iNews 'gNews' API

MicroModeling Associates Inc., New York, NY

1997-1998

SENIOR ANALYST

Software Consulting (VB classic, SQL Server, MS Access) to various clients including financial and Media companies

Windgap Technology Group, Windgap, PA

1996-1997

DIRECTOR OF DEVELOPMENT

Software Consulting, mostly in the Credit Union area. Developed lending applications/Loan scoring applications for various credit unions

Bankers Trust, New York, NY

1995-1996

ASSISTANT VICE PRESIDENT/SR. DEVELOPER

American International Group (AIG), New York, NY.

1992-1995

BUSINESS SYSTEMS ANALYST/DEVELOPER (VB3 AND VB4)

EDUCATION / TRAINING

Suburban Technical School, Hempstead, NY

Queens College of the City University of NY, Flushing, NY

Bronx High School of Science, Bronx, NY