Allan F. Gagnon

Blair, Nebraska - Cell: (602) 549-2825 Email: allan.gagnon@gmail.com

Skills	Years' Experience	Expertise Level
C#	20yrs +	Advanced
ASP.NET	20yrs +	Advanced
VB.NET	20yrs +	Advanced
ADO.NET/ ORM / Entity Framework Core	20yrs +	Advanced
Web Services	20yrs +	Advanced
WCF, REST SERVICES	10yrs +	Advanced
SQL Server	20yrs +	Advanced
SSRS, SSIS, SSAS	7yrs +	Advanced
Visual Studio thru 2017	15yrs +	Advanced
Java-Script/AJAX	15yrs +	Advanced
SharePoint	4yrs +	Advanced
Java	2yrs +	Intermediate
HTML	15yrs +	Advanced
Bootstrap 2/3	5yrs +	Advanced
MVC4/MVC5/MVC Core	5yrs +	Advanced
R	2yrs +	Intermediate
Docker	2yrs +	Intermediate

Technical Applications

Proficient in the utilization of diverse software systems and applications including but not limited to:

DotNet Core, Identity Server 4, OData, R, GoLang MVC5, aurelia.io, Angular, io.js, express.js, MongoDB, SharePoint 2007, SharePoint 2010, HTML5, SSIS, SSRS, SSAS, Windows 2008 Server, Window 2003 Server, Windows 2000 Server and Professional, Microsoft Office 2003 & 2007, Active Directory, XAML, WF, WCF, Silverlight, Share Point Server, SQL Server Integration Services, SQL Server Reporting Services, Microsoft Exchange 2000 & 2003, Microsoft SQL 2000 & 2005, Visual Basic 6, Visual Basic.Net, ADO and ADO.NET, ODBC, Web Services, Win32 API, Visual Studio.Net, C#, JavaScript, VBScript, XML, Stored Procedures, SQL Views, C, C++, Microsoft Office, Microsoft Access, Red Hat Linux 7.3 –9.0, SUSE Linux 10.0, Samba Server, Send Mail Email Server, Bind, Allen-Bradley PLC Controllers, Rockwell Software for Allen-Bradley Controllers, Direct Soft 32, Direct Logic PLC Controllers, Cisco Pix Firewall, VPN through VMware, Cisco, VPN through SSH and SSL, ASP.Net, IIS 5.0-6.0, Microsoft SQL 2000 & SQL 2005, Visual Studio 2008, Regular Expressions, ASP, HTML & HTA, CSS, VMware Server & Workstation, Java, Windows 2008 Server, Vista, Cascading Style Sheets, SQL Reporting Services, Team Foundation Server, Clear Case Source Control, Android, Team Foundation Server, Visual Studio 2010, Jasper Reports, Eclipse, .Net Framework 2.0, .Net Framework 3.5, .Net Framework 4.0, MVC3, MVC4, MVC5, JQueryUI, Bootstrap3, .NET Framework 4.0, .NET Programming - ASP 5.0, .NET Programming - C# 5.0, JavaScript, SQL Server 2014 for Developers

Professional Experience:

Senior Advanced Technology Engineer   **January 2017 – Present**
Valmont Industries   Valley, NE
- Created and Developed a Spatial Analysis application using R Studio for machine learning and future artificial intelligence.
- Implemented new Microservices Architectural Design using Azure Service Fabric, Azure Cosmo DB, Azure App Functions as well as container services.
- Discover and Implement new innovational ideas for improving and propelling the company in to future technologies.
- Designed and Created IOT pumping controller hardware and software for local and remote control.
- Designed and Implemented a OData V4 Endpoint for connection to SalesForce with Docker for complete CI/CD pipeline.

Senior Programmer   **September 2015 – January 2017**
Medefis   Omaha, NE
- Develop a SSIS package for all Data Migration of all information from old to new system.
- Architect out and Implement Angular.js development with consultants.
- Architecting and Developing the next web application using MVC5, Security with ThinkTecture Identity Server 3, Data Repository, Business Repository, Business Rules Engine, and API.

Senior System Engineer   **June 2014 – September 2015**
Valmont Industries   Valley, NE
- Creating and Implementing a Cellular NOC Center for Remote Communication
- Developing an Internet of Things Hardware and Software Operation Center
- Implementing a Pure JavaScript RESTFUL API with Node.js and Express.js
- Developed an interpreter using Node.JS and JavaScript.

Manager Consultant   **November 2013 – May 2014**
Sogeti Project at Berkley Technology Services   Omaha, NE
- Architect and Implement Restful services to change and reset password against Active Directory.
- Developed and created Principal Context Domain functionality for Restful Services.
- Created and produced a Login Form and Change Password form using MVC5 and Bootstrap 3.
- Redesigned MS ADFS Proxy page removing existing HTML and CSS and implemented Bootstrap 3 Grid System
- Implemented Claims Based DotNet 4.5 Framework that integrates with ADFS and ThinkTecture Server

Manager Consultant   **September 2013 – October 2013**
Sogeti Project at FBL Financial Group, Inc.   Omaha, NE
- Observation of current deployment process for Continuous Integration.
- Investigation of current Software Configuration Management tools.
- Interviewing key stakeholders and implementer's.
- Analysis of improvement opportunities.
- Created Deployment Process Flow and Release Checklist's.

Senior Software Developer - Contractor   **June 2013 – August 2013**
CSS Staffing   Omaha, NE
- Architecting and creating a MVC application using Linq-To-SQL with a Generic Repository. Implementing and troubleshooting enterprise applications.

Lead Software Engineer   **July 2010 – June 2013**
Valmont Industries   Omaha, NE
- Created Valmont Terminal to program and communicate to Irrigation Unit.
- Implement and Develop Software applications for engineering department in the Irrigation Unit.
- Architected Valmont Tablet application software for controlling Irrigation Unit.

C#.NET Developer – Contractor   **January 2010 – July 2010**
Project at Valmont Industries   Omaha, NE
- Implement and Update WPF, WCF, Application Development for controlling Irrigation Unit.

C#.NET Developer – Contractor   November 2010 – January 2010
Project at Securities America   Omaha, NE
- Full life cycle application development using SQL Server, Ajax, ASP.NET, C# JQuery for Mobile Unit.

C#.NET Developer - Contractor   July 2010 – October 2010
Project at NAUTILUS INSURANCE,   Scottsdale, AZ
- Designing and updating enterprise Quote Tracking application using C#, ASP.NET, SQL Server 2008
- Designing and implementing enterprise wide Design Pattern Application for Journal Entry to PeopleSoft

C#.NET Developer – Contractor   May 2010 – July 2010
CDI - Project at WELLS FARGO,   Phoenix, AZ
- Full life cycle application development using SQL Server, Ajax, ASP.NET, C#.
- Fortify and implement development completion of business requirements for mature production application.
- Develop and Implement SQL Server Database for new applications with conversion from Microsoft Access.

Application Developer II   April 2009 – May 2010
AETNA INSURANCE   Phoenix, AZ
- Design, Implement and Update enterprise web development internet sites for Aetna Medicare Unit.
- Update and implement requirement changes to intranet applications for internal employees of Aetna Medicare Unit.
- Develop and maintain SQL Server Reporting Services Reports for intranet applications.
- Converted old SharePoint 2003 site to new SharePoint 2007.
- Administered and developed small Intranet site in SharePoint 2007.

C#.NET Developer – Contractor   June 2008 – April 2009
Project at NETTRYX COMPUTER SERVICES, LLC,   Litchfield Park, AZ
- Designed CSharpprogrammer.net Office Live SharePoint site application using ASP.Net, SQL Server 2005.
- Designed and created Programmable Logic Controller (PLC) programs for Robotic System.
- Created web application NetTryx.net Web Site using C#, ASP.Net, JavaScript, T-SQL, AJAX, CSS and XHTML.
- Programmed and developed Mutts2Manners.com Web Site using ASP.Net, SQL Server, and XHTML.

C#.NET Developer – Contractor   June 2008 – October 2008
Project at MDI GROUP / NAUTILUS INSURANCE,   Scottsdale, AZ
- Designing and updating enterprise wide Policy Assignment ASP.Net application using Visual Studio 2008.
- Created and developed SQL 2005 stored procedures and SQL functions for enterprise applications.
- Updating and maintaining current web application software using C#, JavaScript, T-SQL, AJAX, CSS and XHTML.

Senior Developer/IT Manager   April 2003 – July 2007 & October 2007- June 2008
NORCIMBUS, INC.   Phoenix, AZ
- Planned and Implemented all firewall, security, network infrastructure, all server software including Windows 2000, Active Directory, Exchange, SQL, and Red Hat Linux, SUSE Linux Server
- Strategically trouble shot programming and hardware challenges for LAN / PLC product lines
- Designed and created C# Express, ADO.Net, SQL 2005 Express database for QC Certificates.
- Designed and created a Gas Cabinet Simulator program C#, SQL 2005 Express, T-SQL.
- Setup all data flow model diagram flow charts to implement proper coding conventions
- Designed and created all Programmable Logic Controller (PLC) programs for all product lines

C#.NET Developer – Contractor   July 2007 – October 2007
Project at COMSYS IT Partners, Inc. / DHL Express,   Scottsdale, AZ
- Design and implement systems and software standards with C#, ADO.net, SQL
- Produce and develop solutions to support client applications and their local servers.
- Automate tasks to ensure high-availability and low-maintenance of systems.
- Develop maintenance tasks and resolutions to challenges from client software.
- Create and implement advanced product development and applications with JavaScript and VBScript.
- Develop software solutions to exchange and transfer data between SQL servers.

President/CEO/Programmer   **January 2000 - April 2003**
NETTRYX COMPUTER SERVICES, LLC,   Phoenix, AZ
- Implemented and planned administration of IT requirements for approximately 45 clients
- Innovated Visual Basic 6.0, ADO, and Microsoft Access program for Accredited University.
- Updated and Organized Microsoft Access database, forms and reports for Jeweler client.
- Created ASP.Net login form using C# and building a SQL connection string in ADO.Net for Nissan & Infinity.
- Created and implemented the University software with VB.6, MS Access, ADO

Senior Developer / Information Technology Director   **February 1999 – January 2000**
INNOVISION IMAGING, INC.,   Phoenix, AZ
- Oversaw and directed LAN / WAN, system programming and security for operations
- Managed direct accountability for the management and administration of all IT requirements
- Developed C program that parsed multiple OCR text files to one combined file.
- Designed Microsoft Access, Visual Basic 6.0, ADO program for Medical Record Retention
- Created and implemented timelines and milestones on all programming project

AZTECH PROFESSIONAL SERVICES, INC.,   **February 1998 – February 1999**
Developer / Network Systems Engineer   Phoenix, AZ
- Designed SQL Database and created tables, queries and reports.
- Developed and administered LAN / WAN, maintained servers and installed programs
- Designed Microsoft Access database to track client's projects.
- Communicated with the client on planned deliveries, then implemented that plan in to action

Senior Developer / Information Technology Director   **January 1997- February 1998**
KENNEY AERIAL MAPPING, INC.   Phoenix, AZ
- Fabricated Visual Basic program which created Engineering project for all new jobs for AutoCAD compilation.
- Managed all network infrastructure, projects, security, and upkeep on all Windows NT Servers, Novell Servers, Sun Solaris Servers, and Windows NT workstations
- Designed and created a new network for branch office in Las Vegas for AutoCAD Engineers
- Coordinated with management all mapping jobs for AutoCAD Engineers

Jr. Developer / Information Technology Consultant   **May 1996-January 1997**
PRONET, INC   Phoenix, AZ
- Provided consulting services and support for corporate clients in the area of IT
- Installed and Created databases in Microsoft SQL 7.0 for client.
- Helped implement and develop Network solutions for clients.

Crew leader   **June 1987-May1996**
WELLS BLUE BUNNY DAIRY,   LeMars, IA
- Managed and directed crew of 25+ to develop quality Ice Cream Products for the world's largest dairy.
- Operated some of the largest manufacturing machines in the company.

Personal Experience
- Designed and created IOT devices in many different industries.
- Currently doing training on R and Python for machine learning.
- Personal goal to be very proficient in JavaScript, Angular, Node.js and DotNet Core.

Education
- Graduated on Oct. 3rd 2011 with Master's Program in Dot-Net 4.0, Silverlight & SharePoint 2010 with SetFocus
- Graduated on Feb 2007 from DeVry University with a Bachelor of Science in Technical Management
- Microsoft 2000 Certified Professional
- Attended and Completed Interface Technical Training Web Development using ASP.NET 2.0: 5 Day Instructor-Led Workshop
- Attended and Completed Interface Technical Training on Advanced C# Programming: 5 Day Instructor-Led Workshop

Selected Achievements

Architected and implemented a solution to manage the complete control and functionality of all Valmont Irrigation devices on the farm with Web Application.
Result: Decreased stress, traffic and increase functionality for customers, with a dramatic improvement on reporting and managing of data.

Implemented and designed new SharePoint Collaboration site for http://www.nettryx.net in Office365 to improve cloud computing and SharePoint knowledge and training from SetFocus Master's Program.
RESULT: Increase traffic and improve knowledge utilizing experience and training from Information Technology Master's Program from SetFocus.

Developed and Created web applications for Military K9 Dog training group to increase customer base. Implemented web portal for customers to sign in and collaborate, communicate and articulate solutions for possible dog issues.
RESULT: Increased customer satisfaction and visibility to dramatically improve the cash flow and income for Mutts2Manners.

Engineered software solutions to clients to allow for the communication and development of their applications Helped to improve customers satisfaction and bottom line by automating tasks to develop quick effective solutions for customers worldwide.
RESULT: Helped to establish and maintain superior customer support to improve DHL's bottom line annually.

Designed a complete flow chart model completely documenting the program in Visio 2000. Created the new program for the Automatic Gas Blending Cabinet. Customized a strict low level Proportional-Integral-Derivative control process, to blend bulk gases to a customer chosen percentage Cost of one cylinder is $2,500.00 which will be used in a 24 hour shift.
RESULT: Created Automatic Blending System, which produces an average savings of $100,000 annually.

Recognized Gas Cabinet product line software needed updated to a new technology. Calculated costs were about $40,000 per gas cabinet. Developed new product line by programming new software with cost savings of $20,000 per cabinet engineered with new Allen-Bradley controller.
RESULT: Signed a $3 million dollar contract with the largest Fab in the world to produce cabinets for 3 years.

Evaluated a need for technology help on information systems for small business clients in the valley. Researched about 20 clients that need consulting services costing $75 dollar per hour. Created a company producing independent contracting consultants for a fee of $75 per hour.
RESULT: Established a technology company that grossed approximately ½ million dollars the 2nd year in business.

Uncovered organizational challenge with university on tracking students. Expanded personnel and volunteers were needed to help shuffle papers around and organize student information. Programmed a Visual Basic and SQL program that tracked students from prospect to graduation.
RESULT: Saved $400 thousand dollars on personnel and projected programs.

Researched large insurance company with millions of papers and file cabinets and no more space. Designed program that parsed information from Btrieve database to new SQL Database. Forecasted cost of about 1 to 1.5 million annually. Evaluated and recommended a Document imaging system to manage workflow and document control.
RESULT: Forecasted plans of 2 million dollars in printing and storage costs.

Discovered important medical records being lost or not copied in time. Designed program in Microsoft Access Database with a Visual Basic front-end. Projected cost in the thousands for the patient, doctor, and insurance company. Pioneered initial version of program design in Visio 7.0 that kept information on internet readily available to all.
RESULT: Achieved savings and possibly lives with implementation of program.