

Adam Meyer

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Executive Summary

Senior .NET Software Engineer with over 22 years of general technology experience, including 18 years developing production code across diverse platforms and industries. Demonstrated expertise in cloud-native architecture, .NET desktop and cloud SDK development, and enterprise-grade application engineering, support and enhancement, to include engaging all levels of the support stack for hundreds of enterprise clients on both Desktop thick-client, Windows Services, API, backend services, and Azure cloud native platforms. Proven ability to lead technical initiatives, modernize legacy systems, and deliver scalable solutions in complex environments. “Full-stack” with .NET Framework WPF/WCF Desktop and server side solutions, as well as Azure SDK, latest .NET Core 3.1, 6, 8 isolated.

Technical Expertise

Platform Summary

Azure SDK Development: Five (5) years experience with Azure SDK, Functions, Blob Storage, Queue Storage, Table Storage, Service Bus, Key Vault, and Container Registry, Azure DevOps Pipeline integration, YAML build pipelines

Containerization: Docker, Docker Compose, Kubernetes orchestration, container lifecycle management

Serverless Architecture: .NET Core (3.1, 6, 8-isolated) functions, Cloud-native development patterns, event-driven systems, microservices design

.NET Ecosystem: 18 years, expert in .NET Framework 1.1, 2.0, 3.5 SP1, enterprise level 4.5.2 and migration to 4.8, .NET Core 3.1 through 8 isolated

Desktop WPF/XAML: 6 years active development WPF XAML implementing business workflows for enterprise class, multi-window, desktop solutions

Languages: C#, JavaScript, Python, T-SQL, PL/SQL

UI Technologies: WPF/XAML, MVVM pattern implementation, HTML/DOM/JQuery/AJAX/SOAP architecture (2010), 1 year ReactJS

Service Architecture: WCF, Windows Services, ASP.NET MVC, API and cloud serverless development

Database: 10+ active yrs on MS SQL Server 2008R2/2012/2016/2019/2022, T-SQL, PL/SQL, classical RDBMS schema design and normalization techniques, query optimization

DevOps & Tools

CI/CD: Azure DevOps, YAML pipelines, Team Foundation Server

Source Control: Git, Mercurial, TFS, Azure DevOps Repos

Development Environment: Visual Studio 2022 with Copilot, VS Code, WSL2, Linux

Monitoring: Splunk, Application Insights, custom telemetry solutions (PostSharp, G4 Studio/G4 Framework Logging)

Project Management: Atlassian Jira, Confluence, Kanban, SCRUM methodologies

Other: WebSphere Integration Developer (Eclipse-based, IBM), JetBrains Rider, PyCharm, vim

Professional Experience

Unlimited Systems, LLC - Senior Software Engineer

February 2018 - March 2025 | 7 yr | Years 11 - 18 | <https://www.unlimitedsystems.com/>

Enterprise-class Revenue Cycle Management for Cancer and Oncology Care, legacy .NET Framework 4.5.2 WPF/WCF desktop client-server platform G4 Studio and flagship Azure hosted Unlimited Financials. Support, maintain, enhance and create new client workflows for G4 Studio (.NET Framework) for a national customer base consisting of some of the largest Cancer and Oncology Provider networks in the country. Six years Azure .NET Core, serverless, containerized development. Azure Portal, Azure DevOps CI/CD, YAML Pipelines, .NET Core 3.1, 6, 8 isolated. .NET MVC API and serverless development, end to end ownership of server mission critical applications. The G4 platform processes over a billion dollars weekly for oncology care providers. Mission critical applications.

Key Contributions:

- Served as senior technical resource for G4 Studio. WPF, WCF, Windows Services, SQL Server 2016+.
- Implemented or acquired several Azure-hosted solutions over the past five years, end-to-end ownership
- Implemented serverless Azure Functions providing solutions for Invoice Statement batch PDF rendering, zip and integration with the flagship product Unlimited Financials
- Third-party proxy Azure serverless to claims pre-auth services for Glide Health Management, integration with G4 Studio
- Led migration of legacy enterprise platform from .NET Framework 4.5.2 to 4.8, modernizing a custom deployment architecture managed through Team Foundation Server into a fully featured Azure DevOps CI/CD YAML Pipeline with Azure serverless QueueTrigger Function support, BLOB integrated staging, DLL Signing Tool.
- Suite of over 40 Azure Functions handling the processing of fixed-width, HL7, CSV, XLSX and direct SQL feed of patient charges from external EMR systems, parse files into custom HL7 and send to the UF backend API for workflows.
- Stipe integrated custom payment portal served out of an Azure Function. HTML, CSS, Javascript, static images and receipt and PaymentIntent webhook processing payments out to the UF backend.
- Fully remote since 2020; See addendum writing for more technical specifics.

Rockwell Collins, Simulation & Training Systems - Senior Consultant

October 2016 - August 2017 | 11 mo | Year 11

Led development of a sophisticated training simulator desktop UI prototype for a high-profile client contract.

Key Contributions:

- Designed and began implementation of a Linux Gnome-inspired desktop interface using WPF/XAML and MVVM architecture
- Integration layer with Rockwell Collins' simulation engine SDK
- Translated client's complex technical specifications and SOW requirements into actionable development plans
- Delivered comprehensive documentation that became the foundation for subsequent development phases

Full Visibility, LLC - Senior Software Engineer, Lead

May 2012 - June 2016 | 4 yr, 3 mo | Years 6 - 10 | Quantico, VA

Led architecture and development of a Windows Desktop client-server application suite supporting nationwide workflow operations of a U.S. federal client.

Key Contributions:

- Architected comprehensive asset management, billing reconciliation, and personnel tracking system
- Developed a custom, high-performance ORM solution in C# .NET 3.5.
- Developed code generation system that automated creation of over 1,300 data access components, dramatically reducing development time and ensuring code standardization
- Implemented WCF service integration proxies for connectivity with multiple external systems
- Established CI/CD pipeline using TeamCity and Mercurial, improving deployment reliability
- Incorporated aspect-oriented programming with PostSharp for system-wide logging and metrics collection
- Delivered project, first iteration deployment to production, ahead of schedule while meeting all business requirements so far established

General Dynamics Information Technology - Software Engineer

January 2012 - May 2012 | 5 mo | Quantico, VA

Maintenance and support toward delivery of an asset management web application for the USMC utilizing ASP.NET and handheld Fujitsu QR-code scanners. Had a better opportunity come along.

Active Health Management - Consultant

March 2011 - December 2011 | 10 mo | Chantilly, VA

ActiveHealth Management is a leading provider of health management services, including disease management, clinical decision support and personal health records. Their solutions, powered by CareEngine® System, help to improve care for more than 22 million people nationwide and help health plans and employers lower costs. Subsidiary of Aetna.

- Large ASP.NET 1.1 – 3.5 framework, SQL Server 2005, Oracle 10g, PL/SQL, LINQ
- Wrote mission-critical Oracle 10g PL/SQL data staging jobs processor. Complex dynamic SQL package developed from a 35 page requirements document outlining the valid parameter combinations and requisite queries . Materialized Views, complex JOINS and optimized for all cases to return the result set for a processing CURSOR in 30 seconds; 6 node RAC cataloging at-risk patient aggregations for pull into another system.
- Implemented RSA encryption utility for securing config files across the application domain
- Wrote a proof-of-concept for Aspect Oriented Programming utilizing the PostSharp library Modified Microsoft Enterprise Library 3.1 for custom log messages through MSMQ 3.0 backend to the logging database
- Worked with a solid team of senior and mid-level consultants and salaried developers in a well organized, SASS-70 compliant environment
- Large, well-developed framework; 15,000+ stored procedures, multiple environment domains

InfoReliance Corporation - Software Developer

September 2009 - November 2010 | 14 mo | Dumfries, VA | www.inforeliance.com

Corporate Background: InfoReliance Corporation provides Project acquisition, management and Consulting to Government and civilian agencies, services and companies.

Responsibilities:

- USMC project, MCTIMS: Training Information Management System.
- Member of a team of about 10 software engineers responsible for programming and maintenance tasks. Reported to Team Lead through internally developed “RUP” iterative lifecycle development, release early- release often development cycle, sprints and Scrum.
- Wrote multiple 1000+ line Javascript “classes” and prototype objects.
- In-house Javascript framework, with some moderate use of jQuery.
- In-house code-generation tools
- Multi-Tier architecture: ASPX page templates, AJAX framework to a Web-Services tier to Binary Services tier to the Business Layer to the Data Layer then a custom ORM framework to Oracle 10g.
- Lots of Javascript.

Atlas Air, Inc - Software Developer

March 2007 - September 2009 | 2 yr, 6 mo | Purchase, NY | www.atlasair.com

Corporate Background: Atlas Air Worldwide Holdings is the recognized leader in global airfreight, with more than 15 years experience serving the airline and freight industries, commercial and military customers.

Responsibilities:

- In-house IT department, small development team
- Each developer is typically sole programmer on a project
- Responsible for end-to-end lifecycle development
- Worked with business owners throughout the operations group: System Ops, Flight Ops, Ground Ops at all levels of the management and labor personnel.
- Responsible for requirements gathering, end-user workflow analysis, technical scoping and level-of-effort-estimations, design, implementation, expectation management, testing, end-user acceptance and delivery.
- Self-starter, independent development role

Accomplishments:

- Customer Website Portal: Presented application to Atlas Air customer Qantas in Sydney, Australia for end-user adoption and analysis.
- Completed full life-cycle development, requirements gathering, testing, sole developer.
- Worked with VP System Ops and immediate management delegates for requirements gathering and progress.
- Highly functional ASP.NET web application allows customers to view flight schedules, modify schedules across multiple aircraft, request changes, build seasonal schedules and, in general, to communicate operationally with Atlas Air personnel.
- Ground Operations Information Portal: Station (Airport) vendor and facility contact information portal. Sole developer reporting to project management group and Ground Operations end users.
- Wrote and maintained several smaller applications for general business data capture and reporting as well as maintained legacy applications and company portal (VBScript).

SMS.ac - Software Engineer I

December 2006 - April 2007 | 4 mo | San Diego, CA | www.sms.ac

Corporate Background: Internet start-up, web-based community portal seeking primarily to monetize user content away from the advertisement model. Similar to MySpace or Facebook.

Responsibilities:

- Worked with a large group of about 35 software engineers
- Responsible for scoping business requirements from documentation into technical requirements including level of effort estimations
- Integrated component-based, or modular, applications into composite application and overall portal site
- Strong team development culture with well defined process and workflow
- Wrote web-services, business layer and data layer, stored procedures in a pair-programming environment for an Adobe Flex front-end

Technologies:

C#, .NET 2.0, Sql Server 2005, stored procedures, ASP.NET, Visual Studio 2005, WSDL, SOAP, .NET Web Services, XML, XML data types, XSD, XPath queries on XML data in SQL Server 2005. SVN, Trac.

United States Marine Corps

September 2001 - January 2007 | 5 yr, 5 mo | Camp Pendleton, CA

Relevant Duty:

Okinawa, Japan: (4/05 – 1/06)

- Wrote from scratch a multi-threaded, FTP application with ZIP capability in ANSI C, with thick client GUI written in Microsoft Foundation Class (MFC) C++ 6.0
- Was awarded the Navy and Marine Corps Commendation Medal citing process efficiency allowing for 10's of thousands of man-hours saved per year.
- Visual Studio 6, Visual C++ 6.0, Microsoft Foundation Classes, ANSI C.
- Processes III MEF (entire Pacific Fleet) daily requisition and supply reports
- Honorable discharge, Sergeant, E-5, 1/29/2007.

Education

University of Cincinnati 1996 - 2001

College of Arts and Sciences, Political Science (2.5 yrs)

College of Engineering, Computer Science (5 yr program in 3.5)