

# Scott Janssens

Lead Software Engineer

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Scott is a Microsoft Certified Professional Developer with over 25 years of experience. He has worked and designed at all levels of multi-tier applications. Scott has led teams and groups, successfully delivered projects while mentoring junior developers and ensuring use of best practices. He has wide domain knowledge having worked in diverse industries including finance, healthcare, asset management, legal, insurance, real estate, and games. Scott's coding portfolio can be viewed at <http://www.scottj.net/portfolio.html>.

## Technical Skills

**Languages:** C#, Typescript, JavaScript, SQL, VB.Net  
**RDBMS:** SQL Server, MySQL, SQLite, Oracle  
**NoSQL:** Elasticsearch

## Experience

**Senior Front-End Developer — Thermo Fisher Scientific, Waltham, MA** Mar 2024 – Present

- Implemented UI, service, and back-end for web-based remote control of mass spectrometers.
- Implemented UI for high-speed machine vision application for industrial applications.
- Updated and optimized Web APIs for rapid data transfer.

*Technologies C#, .NET 8, ASP.NET Web API, Angular, TypeScript, EF, WinForms, SQLite, MySql*

**Software Architect — Ray Allen Inc., Chicago, IL** Sep 2017 – Sep 2023

- Designed and implemented core back-end libraries to unify siloed projects into a shared code base.
- Architected microservices for managing assets and licenses and interconnecting messaging bus.
- Designed and led development of RESTful Web APIs for management system for Verizon and upcoming product release.
- Recreated product management and engineering process to maximize efficiency of limited development resources.
- Mentored developers and ensured software development best practices were followed.

*Technologies C#, Web API, EF, AWS, NServiceBus, SQL Server, Elasticsearch, GitHub*

**Lead Software Engineer — CoStar Group, Chicago, IL** Dec 2016 – Sep 2017

- Designed highly concurrent message processing framework.
- Implemented services to dynamically generate and validate contract schemas using NJsonSchema.

*Technologies: C#, ASP.Net, JavaScript, TFS, SQL Server*

**Lead Software Engineer — Thomson Reuters Elite, Chicago, IL** Feb 2014 – Nov 2016

- Led development of Outlook 365 Add-In, and proprietary services to provide CRM features.
- Optimized and refactored legacy CRM Suite.
- Created mobile client for CRM Suite utilizing proprietary framework for iOS devices.

*Technologies: C#, ASP.Net, JavaScript, Marionette.JS, Babel, TFS, SQL Server*

**Opus Capital**

- Implemented time-critical federal reporting requirements in mortgage auditing application.
- Mentored junior developers, teaching IOC pattern and debugging techniques.

*Technologies: C#, WebForms, Visual Studio, TFS, SQL Server*

**Abbott Laboratories**

- Added new search features to custom legacy CMS solution.
- Updated CMS solution to new versions of CSLA and updated data access with LINQ.

*Technologies: C#, Win Forms, CSLA, LINQ, Visual Studio, TFS, SQL Server, Infragistics*

**CDP Enterprise Health Solutions**

- Sole developer on patient data web portal with support for query, update, and reporting.

*Technologies: C#, ASP.NET MVC, Visual Studio, TFS, Oracle*

Senior Consultant — Infusion Development, New York, NY

Sep 2008 – Oct 2012

**New Jersey Manufacturers Insurance Group**

- Led development team in creating policy management application for customer service reps.
- Designed architecture for all levels of the application.
- Mentored junior developers and ensured software development best practices were followed.

*Technologies: C#, Silverlight, RIA Services, MVVM Light, MEF, Visual Studio, TFS, SQL Server*

**Citigroup Inc.**

- Created framework to isolate many financial plugins in individual processes within a single UI instance.

*Technologies: C#, WPF, WCF, Visual Studio, TFS*

**M&T Bank**

- Mentored two interns creating public banking applications for Microsoft's Surface table.

*Technologies: C#, Microsoft Surface SDK, Visual Studio*

**Humana**

- Led implementation of presentation layer for application used by traveling sales representatives.
- Created data validation engine that allowed for instant remote updates of business rules.

*Technologies: C#, WPF, Prism, WF, Visual Studio, TFS, SQL Server*

**Jesta I.S. Inc.**

- Trained developers in .NET framework and created roadmap for converting existing products to .NET.

*Technologies: VB.NET*

**Pfizer Inc.**

- Worked on front and middle tiers of application to consolidate all corporate approval systems.

*Technologies: C#, Silverlight, WCF, Visual Studio, TFS*

## **Microsoft Corporation**

- Worked on demonstration applications for Microsoft's Surface table for Microsoft business intelligence conferences. (Demonstration video: [http://youtu.be/MAbtc\\_PZOjs](http://youtu.be/MAbtc_PZOjs))

*Technologies: C#, Microsoft Surface SDK, Visual Studio, TFS*

Senior Consultant — Magenic, Lombard, IL

Mar 2006 – Sep 2008

## **Stericycle**

- Updated mobile application to comply with new UK radioactive transportation laws by implementing new UI, database schema, and stored procedures.

*Technologies: C#, Compact Framework, Mobile SQL, XML, Visual Studio, TFS, SQL Server, CSLA*

## **Lions Clubs International**

- Audited e-commerce site and drafted recommendations on fixing issues and how to prevent them.
- Repaired existing issues and created test environment.

*Technologies: C#, ASP.NET, Commerce Server, SQL Server, Visual Studio, Lawson, Oracle*

## **Grant Thornton, LLP**

- Used AJAX to implement web UI providing rich user experience.
- Implemented extensive business logic to comply with accounting laws of various countries.
- Created automated data transformations using stored procedures and WCF to transmit auditing data in proprietary format.

*Technologies: C#, ASP.NET, SQL Server, AJAX, WCF*

## **PSAV**

- Created financial forecast web application. Coded the web UI and designed business objects and stored procedures.
- Updated order tracking application with new features involving UI, data validation, business logic and database access.
- Designed and implemented architecture for Pocket PC handheld inventory devices.

*Technologies: VB.NET, ASP.NET, SQL Server, Compact Framework, XML, Visual Studio*

## **Stericycle**

- Designed and implemented mobile application that tracks medical waste transport and product inventory. This included 40+ screens and business objects.
- Designed and implemented customizable report generator using reflection and logical XML files.

*Technologies: C#, Compact Framework, Mobile SQL, XML, Visual Studio*

## **Canopy Financial**

- Worked on web application for HSA account and fund management utilizing ASP.NET and AJAX.

*Technologies: ASP.NET, VB.NET, Visual Studio, .NET 2.0, AJAX*

Senior Software Engineer — InStep Software, LLC, Chicago, IL

Nov 2004 – Mar 2006

- Designed and developed features for Cingular's customer support tool including network communications and cryptography. Wrote update mechanism to maintain telecommunication network elements. Also wrote client-side GUI using Java and Swing.
- Implemented reporting client for a telecommunication network monitoring system.

- Co-wrote GIS technology evaluation paper for US Army Corps of Engineers.

*Technologies: C#, C++, Java, Windows Forms, Visual Studio 6.0/.NET/2005, Swing, Oracle*

#### Senior Software Engineer — RealNetworks, Seattle, WA

Sep 2000 – Aug 2004

- Developed core technologies that drove RealGuide, the RollingStone.com web site, and the Rhapsody music store. These included dynamic web layouts, messaging system, and localization library.
- Wrote cross-platform components for the RealOne Enterprise Player, RealPlayer for UNIX, and RealOne Player for Macintosh. These included the embedded web browser player, remote configuration, installer, full screen playback, and custom skinning.

*Technologies: C++, Java, Visual Studio 6.0/.NET, Eclipse, J2EE*

#### Lead Software Engineer — SAFLINK Corporation, Redmond, WA

Dec 1999 – Sep 2000

- Led the development efforts creating the Forget Your Password client and Internet biometric verification system. This included architecting and implementing modules for biometric authentication, data encryption, key management, user account management, and localization.

*Technologies: C++, Visual Studio, ODBC, SQL Server*

#### Software Design Engineer — Microsoft Corporation, Redmond, WA

Dec 1998 – Dec 1999

- Developed several modules for MechWarrior 4 game, including a priority-based 3D sound renderer, physics-based thermodynamics simulations, and the mission editor.

*Technologies: C++, x86 Assembly, Visual Studio 6.0*

#### Software Design Engineer — FASA Interactive, Chicago, IL

Apr 1996 – Dec 1998

- Wrote multiplayer network library, user interface engine, and the mission editor for MechCommander game.

*Technologies: C++, x86 Assembly, Visual Studio 6.0*

#### Software Engineer — Applied Systems, Matteson, IL

Jan 1995 – Apr 1996

- Designed and implemented core libraries for all in-house software using Visual FoxPro 3.0.
- Wrote RMA system for tracking returned inventory.

*Technologies: Visual FoxPro 3.0*

### Education & Certifications

B.S. in Computer Science, Governor's State University, University Park, IL

1995

MCPD Windows Developer 4 (MS certification ID: 5500614)

MCTS Mobile Applications