Jason Silvestri

SOLUTION ARCHITECT, LEAD, SR. MULTI-PLATFORM SOFTWARE ENGINEER, & FULL-STACK .NET DEVELOPER

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BETA v 2025.4.6.057

Objective

As a successful & well-known Solution Architect, & Lead Sr., Multi-Platform .NET Developer, I have more than 25 years of experience, using over 40 different Desktop, Web, & Mobile technologies, IDEs, Design Patterns, Best Practices, and Development Standards, with my primary focus today creating enterprise-level, multi-platform, full-stack, web, desktop, native mobile and responsive mobile user experiences.

The company structure I look for is one with an engaging philosophy, smart & collaborative teams, and a friendly but firm culture. At the same time, I'm completely outfitted, capable, and competent to work in most environments, including "high-pressure situations", whether it be On-Site, Remotely, or in a Hybrid setting, and regardless of travel time, location, relocation, etc.

I've been told I'm surprising cool given the responsibilities I often carry, a pleasure to be around, honest, polite, and considerate of other's concerns. I also understand my career portfolio may intimate some Sr. Level Engineers. I can respect that. Most would be happy to know that I am well past the business politics, climbing ladders & self-preservation that tend to grapple most of us in your average workplace. I'm still young enough to enjoy the thrill of the hunt and absolutely love doing what I do, but also old enough to know we have a job to do. It's about pure team collaboration, regularly following and improving development standards, and being one of a team made up of individuals that are just as confident in their epic skills, as they are acknowledging their biggest weaknesses, all with the common goal to help each other succeed & grow, and to do what's best for the business.

Experience

INCARESYS (INDEPENDENT CARE SYSTEMS INC (ICSI) | CONTRACTOR Feb, 2021 – Nov, 2025 SOLUTION ARCHITECT, MULTI-PLATFORM ENGINEER

My most recent responsibilities have been as the sole developer responsible for the Self Health® enterprise-level application development of the following projects:

SelfHealth.Core

- **Purpose:** Domain-centric layer for models, validation logic, and shared service abstractions. **Highlights**
- Entities and ValueObjects representing patient, provider, and record contexts
- Central IResult<T> / ResultFactory pattern for uniform responses
- Shared configuration and constants (brand, licensing, telemetry

SelfHealth.ML

Purpose: Machine-Learning and analytics layer.
 Highlights

- Predictive health metrics (vitals trends, adherence risk)
- ML.NET pipelines for inference
- Shared ModelRegistry.json for model versioning
- Future: integration with PaLMs{} workflow export and inference sandbox

SelfHealth.WebApi

- **Purpose:** Public API surface; bridges Core, Data, and Presentation. **Highlights**
- ASP.NET Core 9 Minimal API controllers
- JWT + OIDC authentication
- EnvelopeValidator Web endpoints (/selfhealth/v1/envelope/*)
- Integrated Swagger / ReDoc with health checks and OpenTelemetry exporters

SelfHealth.Data

Purpose: EF Core 9 data access layer.

Highlights

- DbContext per domain (Vault, Core, ML)
- Fluent configuration + migrations
- Connection factory supporting Azure SQL and SQLite fallback
- Secretless data access integration via Vault project

SelfHealth.Vault

Purpose: Encrypted secrets + configuration management.

Highlights

- AES-256 + DPAPI hybrid key store
- Secret rotation API with audit trails
- Optional Azure Key Vault / local JSON store bridging
- Self-signing license and environment token generator

SelfHealth.Presentation

- Purpose: Razor Class Library for dashboards and shared UI.
 Highlights
- Blazor Server components for reports and live health stats
- Shared Bootstrap 5.3 themes and icons
- Reusable layout partials (Header.md, Footer.md) mapped via DocsX

SelfHealth.MauiHybrid

- Purpose: Cross-platform MAUI Hybrid app (Windows + Mobile).
 Highlights
- WebView-hybrid embedding of Blazor components
- Local offline caching + telemetry sync
- Integrates Helix/Lumina Gate for offline seed validation
- Host for SelfHealth.Halos.Maui.Shared UI modules

SelfHealth.Utilities

Purpose: Shared tooling and automation scripts.

Highlights

- PowerShell + Node scripts for CI, normalization, tagging, and gating
- Centralized Halos Gate Toolchain entry point (lumina-gate.ps1)
- JSON schema validators and markdown processors

SelfHealth.DocumentManagement

- **Purpose:** Document pipeline for markdown, PDFs, and templates. **Highlights**
- DocsX include/match processor
- Markdown → PDF/Word/HTML converters
- Future home of DocsX Mapping Validator + AA Alerts

SelfHealth.Unitx

- **Purpose:** Unified testing framework. **Highlights**
- xUnit test harness for Core, Data, and WebApi
- Coverage gating (≥ 95%) enforced via EnvelopeValidator
- Snapshot testing for materialized envelopes and reports

RCS (RED CURVE SOLUTIONS, INC.) | FULL-TIME

Jun, 2018 - Feb, 2021

Lead Sr. Web Software Engineer, Solution Architect, and Full-stack .NET Developer

Engaged with Red Curve Solutions in Beverly, MA, as the Lead Sr. Web Software Engineer. Took on a unique role as a contractor transitioning to a permanent position, leading the internal Development Team in a company previously outsourcing all software projects. Key accomplishments include spearheading the creation of a suite of software products, notably the flagship product Vortex 2.0.

- **Technologies Leveraged:** Azure / Cloud, DevOps, VSTS (Teams Foundation), HTML5, CSS3, Asp.NET Core 1 2.8, MVC (C# & Razor), jQuery, JavaScript, Bootstrap, Entity Framework, SQL Server, Web Services, Web APIs, JSON, and Photoshop.
- **Notable Achievements:** Developed and maintained custom accounting software exclusively managing campaign proceeds for the United States Republic Party over the past decade. Worked with prominent clients including Governor Charlie Baker, Senator Mitt Romney, and former President Donald J. Trump.
- **Continued Role:** Served as Lead Sr. Web Software Developer for almost 3 years. Currently oncall for knowledge sharing sessions and emergencies, maintaining a work laptop. Objectives are complete, and new clients or employers are the current priority.

OPTUM / UHG / DOVETAIL HEALTH | 4 x EXTENDED CONTRACT

Jun, 2018 - Feb, 2021

Software Engineer

Collaborated with Optum / UHG / Dovetail Health in Waltham, MA, as a Sr. Software Engineer. Worked on HIPAA-compliant healthcare software. Extended my contracted term with five extensions, contributing to a successful merger & acquisition effort.

- **Technologies Leveraged:** AWS / Cloud, HTML5, CSS3, .NET 4.5 4.6.1, MVC (C# & Razor), jQuery, JavaScript, Bootstrap, Entity Framework, SQL Server, Web Services, Web API, AngularJS, JSON & Photoshop.
- **Notable Achievements:** Developed and maintained custom HIPAA-compliant healthcare software.
- **Continued Role:** Served as Lead Sr. Web Software Developer for almost 3 years. Currently oncall for knowledge sharing sessions and emergencies, maintaining a work laptop. Objectives are complete, and new clients or employers are the current priority.

Led design, client-side development, server-side development, and SQL Server/Entity Framework architecture for my own product, Toppler™, located in Mansfield, MA.

- **Technologies Leveraged:** Utilized Azure Cloud, HTML5, CSS3, .NET 4.6.1, MVC (C# & Razor), jQuery, JavaScript, Bootstrap, Entity Framework, SQL Server, Web Services, Web API, AngularJS, JSON & Photoshop.
- **Notable Achievements:** Raised over \$32,000 in funding and managed all aspects of graphic design, UX, UI, client-side, server-side, and database architecture software.

AESC | NORTH ATTLEBORO, MA | SHORT-TERM CONTRACT

Dec, 2015 - Feb, 2016

Sr. Software Engineer

Worked with AESC in North Attleboro, MA, as a Sr. Software Engineer. Led the development of the new Utility Cloud custom CMS web application.

- **Technologies Leveraged:** HTML5, CSS, JavaScript, Asp.NET 4.5.2, Entity Framework, JSON, Bootstrap & jQuery.
- **Notable Achievements:** Helped a small team, for a short time, doing some big things. They deserve a little shoutout.

TRIP ADVISOR | NEEDHAM, MA | SHORT-TERM CONTRACT

Aug, 2015 - Sep, 2016

Sr. Web Solution Architect & Sr. Web Application Developer

Provided emergency assistance to Trip Advisor in Needham, MA, as a Sr. Web Solution Architect & Sr. Web Application Developer.

- **Technologies Leveraged:** Contributed expertise in HTML5, CSS, JavaScript, Bootstrap, Asp.NET 4.5.2, ADO.NET, and SQL Server.
- **Notable Achievements:** I was able to sprint into action very quickly, and I was honored to have helped pull off an almost impossible task in the shortest amount of time. The team collaborated quite well with a stranger.

DASSAULT SYSTEMES | 4 x EXTENDED CONTRACT

Aug, 2014 - Apr, 2015

Software Engineer

Led front-end development and web architecture for the 1.2 million user R&D project, 3DCONTENTCentral, at Dassault Systemes in Waltham, MA.

- **Technologies Leveraged:** Employed HTML5, CSS, JavaScript, Bootstrap, jQuery, and other JavaScript-based solutions.
- **Notable Achievements:** Helped team develop 3D CAD/CAM Modeling web and desktop software, and at a time with technology almost unheard of in PLM. This was pretty epic.

PRINCESS HOUSE | SHORT-TERM CONTRACT | MAR 2014 - MAY 2014

Filled a 2-month maternity leave position at Princess House in Taunton, MA, as a Sr. Web Solution Architect and Web Application Developer. Programmed updates to CMS systems using Asp.NET, HTML, CSS & JavaScript client-side markup.

OPSEC SECURITY | 5 X EXTENDED CONTRACT | JAN 2013 - SEP 2013

Sr. Web Solution Architect & Sr. Web Application Developer

Collaborated with OpSec Security in Boston, MA, as a Sr. Web Solution Architect and Sr. Web Application Developer. Co-developed anti-counterfeiting software for smartphones, tablets, and desktop computers for brands such as NFL, NHL, WWE, and Rovio.

ZETA INTERACTIVE | 5 x EXTENDED CONTRACT | OCT 2011 - SEP 2012

Sr. Web Solution Architect & Sr. Web Application Developer

Contributed to website interfaces for Union Bank®, co-developed core web applications for Botox® Cosmetic, and worked on business proposals for STIHL at Zeta Interactive in Manasquan, NJ, as a Sr. Web Solution Architect & Sr. Web Application Developer using Asp.NET HTML5, CSS2, and JavaScript.

INVACARE | 2 X EXTENDED CONTRACT | FEB 2011 - JUL 2011

Sr. Web Microsoft .NET Software Engineer

Developed .NET 3.5, Ajax-enabled web applications from scratch for Invacare in Milford, MA. Responsibilities included building client-side interfaces, graphic design modifications, and SQL Server database architecture.

LIGHTGATE STUDIOS | 3 X EXTENDED CONTRACT | MAY 2010 - FEB 2011

Intrum CTO.

Light Gate Studios, Inc., a Full-Service Digital Graphics Design & Web Development startup company in Henderson, NV. Served as the CTO, contributing expertise in HTML, CSS, JavaScript, PHP, .NET, SQL Server, MySQL, and more.

PLMIC, LLC | FULL-TIME | JAN 2009 - JAN 2006

Jr. Web Developer, Project Manager

Co-developed over 100 advertising solutions for PLM advertisers, utilizing Asp.NET, SQL Server database, and client-side applications.

LIFE CYCLE SOLUTIONS | FULL-TIME | DEC 1999 - APR 2007

Sr. PLM Consultant, Project Manager, Jr. Web Developer

Managed cross-functional teams, developed a medium-sized business Intranet application for MKS Instruments in Asp.NET 2.0, worked in PLM consulting & system integration with products such as PTC's Windchill & MatrixOne, and co-developed a proof-of-concept Aras deployment.

OTHER PROJECTS

Engaged in smaller-scale projects including a holiday web app campaign with Liberty Mutual & Subaru, airtime video/special effects development with 21st Century/Fox Business News, website infrastructure optimization with MIT Sloan, assistance with infographics, SharePoint, and site development at Harvard Business School, served as Interim VP of Technology for TransR Corporation, and developed a Flash/XHTML website for AccuReg®.

Education

Stoughton, Academy, Stoughton, MA.

1998

Diploma

Proofs of Work

Personal BETA v 2025

- jSilvestri.com
- Advanced A.I. Technologies

My GitHub Projects

- JSopX.OpenProjectX
- JSopX.AngularCore
- JSopX.ReactCore
- JSopX.VueCore
- JSopX.AspNetCore
- <u>JSopX.BlazorServerCore</u>
- JSopX.MauiHybridNetCore
- JSopX.BridgeTooFar
- JSopX.ClassLibrary
- JSopX.WebAPI
- JSopX.SharedResources
- JSopX.RCLxAssets
- JSopX.RCLxProper
- JSopX.RCLxComponents

My GitHub Technologies

- Visual Studio (v 17.13.6)
- .NET Framework (v 9.0.1)
- ASP.NET Core (v 9.0.1)
- .NET Core Blazor (v 9.0.1)
- .Net Maui Hybrid (v 9.0.1)
- Node (v 20.14.0)
- npm (v 10.8.1)
- Angular CLI (v 18.0.3)
- React (v 18.2.0)
- Vue (v 3.4.21)
- Vite (v 5.2.8)
- Bash (v 5.x+)
- Power shell (v 7.x+)