

## SKILLS

Agile / SCRUM	.NET Framework (C#, ASP.NET MVC)	Framework and Tooling Development
Enterprise Architecture	HTML 5, TypeScript	Test-Driven Design & Development
Collaborative Development	Angular & React	Continuous Integration & Deployment
Technical Evangelism	Web APIs / UI Services / REST	Distributed Source Control

## PROFESSIONAL AFFILIATIONS

- Microsoft MVP, ASP.NET (2008-2014, 2017-present)
- Lynda.com Author
- ASPInsider
- [Static Void Podcast](#) Host
- NJDOTNET User Group Leader
- INETA Community Champion



## EMPLOYMENT

### CentralReach, LLC

Pompano Beach, FL (Remote)

#### Senior Developer & UI Team Lead/Architect

March, 2018 - Present

- Develop new features on a large SPA application using TypeScript, React, MobX
- Convert existing Knockout components to TypeScript, React, MobX
- Create POCs and lead refactoring/cleanup of existing application design and architecture

*Technologies used:* TypeScript, React, MobX, Knockout, Webpack, ASP.NET, AWS stack (Lambda, EC2, Kinesis Firehose, Elastic Beanstalk)

### Merrill Lynch / Bank of America

Pennington, NJ

#### Director, Sr. Technical Manager

October, 2013 – March, 2018

- Represented line of business in enterprise work stream to architect a standardized fully-automated SDLC lifecycle (CI/CD)
- Manage 30-person development team (20 off-shore developers) with \$3M budget
- Built and managed a 10-person DevOps team to drive successful adoption of said platform of approx. 200 development teams (in addition to continuing to manage the 30-person development team)
- Transformed large monolithic legacy Web Forms applications to a modern client-side MVC and UI Services architecture

*Technologies used:* ASP.NET Web Forms, ASP.NET MVC, Angular 1.x/2+, NPM, JSPM, ES6, TypeScript, Microsoft Web API, Team Foundation Server, Git/BitBucket, NuGet, Jenkins, Artifactory, Ansible

### JK Group

Plainsboro, NJ

#### Lead Technical Architect

July, 2013 – October, 2013

- Lead the rearchitecture of existing legacy charitable donation and volunteer time tracking systems
- Lead a team of remote developers in implementing said systems

*Technologies used:* ASP.NET MVC, KnockoutJS, Service Stack, NServiceBus, Team Foundation Server

## Teknikos

### Software Development Manager

King of Prussia, PA  
October, 2012 – June, 2013

- Managed all day-to-day software development operations of a boutique software development firm specializing in immersive interactive experiences using devices such as the Kinect, Surface Table, and PixelSense
- Architected real-time interactive experience leveraging touch-screen technology to drive collaboration between geographically-disparate teams

*Technologies used:* ASP.NET MVC, SignalR, KnockoutJS, BreezeJS, WPF, Kinect, Surface Table, PixelSense, Team Foundation Server

## Dow Jones

### Sr. Architect and RIA Specialist

Princeton, NJ  
October, 2010 – September, 2012

- Trained existing ASP.NET Web Forms developers on the “new” ASP.NET MVC framework
- Lead Architect and developer on server-side and client-side UI framework based on ASP.NET MVC and client-side MVC
- Introduced NuGet packages to facilitate sharing of code between teams, as well as the build and hosting infrastructure to support it

*Technologies used:* ASP.NET MVC, ASP.NET MVC, Ninject, jQuery, Team Foundation Server, NuGet

## HomeNet Automotive (division of Autotrader.com)

### Sr. Architect and Team Lead

West Chester, PA  
August 2009 – September 2010

- Lead Architect on new Autotrader.com backend processing systems
- Lead various 4-8 person development teams in an Agile environment
- Managed automated builds and build infrastructure
- Introduced “Developer Achievements” development metrics gathering system and Xbox Live-like leaderboard to bring gamification to the development process

*Technologies used:* ASP.NET Web Forms, ASP.NET MVC, Ninject, Linq-To-SQL, Quartz.NET, jQuery, SQL Server, CruiseControl.NET

## Infragistics, Inc.

### Website Team Lead

Princeton, NJ  
April 2006 – July 2009

- Managed all production corporate web properties, internal and external (19 in total)
- Introduced automated unit testing and Continuous Integration to existing legacy codebase
- Implemented new eCommerce site built on ASP.NET and Microsoft Commerce Server with integration points via BizTalk.
- Localized entire US English marketing and customer support website to Japanese

*Technologies used:* ASP.NET, ASP.NET AJAX, jQuery, SQL Server, WCF, Silverlight, Team Foundation Server, Microsoft Commerce Server, Ektron CMS, Community Server, Enterprise Library, BizTalk, Microsoft CRM, NHibernate

## Popular Financial Holdings (Banco Popular)

### Sr. Web Developer

Princeton, NJ  
August 2003 – April 2006

- Maintained dynamic rule-based Commission Automation system
- Designed and implemented an intranet Employee Directory replacing Excel spreadsheet
- Documented various IT processes that were formally undocumented and misunderstood

*Technologies used:* ASP.NET, AJAX, Crystal Reports, Enterprise Library, BizTalk, SharePoint, InfoPath, SQL Server

## onTap4u

### Architect and Lead Developer

Garden City, NY

September 2002 – March 2004

- Designed and brought to market an Internet-enabled electronic beverage dispenser which included various alcoholic restrictions and line level controls and interacts directly with corporate servers, periodically uploading all vital information enabling seamless delivery requests and a low-maintenance end-user appliance

*Technologies used:* ASP.NET, ASMX Web Services, SQL Server, .NET Compact Framework

## Inventa Technologies

### Software Developer

Moorestown, NJ

September 2000 – December 2002

- Updated and maintained proprietary server-monitoring systems and associated administrative GUIs

*Technologies used:* ColdFusion, JSP, Taglibs, Struts, BEA Weblogic, Apache Tomcat, jBoss, Apache httpd

## PUBLICATIONS

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### Online Video Training

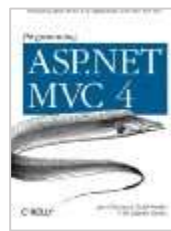
- [Introduction to TypeScript](#) (YouTube)  
Free training video introducing developers to everything they need to know in order to become productive with the TypeScript programming language.
- [Learning ASP.NET Core Razor Pages](#) (Lynda.com)
- [Learning ASP.NET Core MVC](#) (Lynda.com)
- [TypeScript Essential Training](#) (Lynda.com)
- [Up and Running with .NET Core 1.0](#) (Lynda.com)
- [ASP.NET MVC 4 Essential Training](#) (Lynda.com)
- [Up and Running with WebMatrix and ASP.NET](#) (Lynda.com)



### Books



[Essential TypeScript](#)  
(LeanPub, May 2016)



[Programming ASP.NET MVC 4](#)  
(O'Reilly, October 2012)



[Programming Razor](#)  
(O'Reilly, September 2011)

### Magazine Articles

- [ASP.NET MVC Model Binding](#) (MSDN Magazine, February 2012)
- [Leveraging Razor Templates Outside of ASP.NET: They're Not Just for HTML Anymore!](#) (CoDE Magazine)
- [Easy Validation in ASP.NET MVC with the Enterprise Library Validation Application Block](#) (CoDE Magazine)
- [How to Build Mobile Websites with ASP.NET MVC 2 and Visual Studio 2010](#) (DevProConnections Magazine, March 2010)

## OPEN SOURCE CONTRIBUTIONS

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For the full list of repositories and activity, [see my GitHub profile](#).

### Several contributions to Visual Studio Code

Contributed ability to use PowerShell as integrated terminal and set of unit tests to increase code coverage

### [NuGet Reverse Package Search](#) Visual Studio Code Extension

A Glimpse extension that allows users to view log4net log messages in the browser via Glimpse.

### [Glimpse.log4net: log4net extension for Glimpse](#)

A Glimpse extension that allows users to view log4net log messages in the browser via Glimpse.

The 15<sup>th</sup> most downloaded Glimpse extension as of Feb. 2016.