

# Jess Chadwick

Technologist, Agilist, Leader, and Teacher

1087 Country Hills Rd, Yardley, PA  
(856) 693-0829

[www.jesschadwick.com](http://www.jesschadwick.com)  
[github.com/jchadwick](https://github.com/jchadwick)

## Areas of Expertise

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

## Professional Affiliations

- [TechBash Developer Conference](#) - Founder and Board Member (2016-2020)
- Lynda.com & LinkedIn Learning video course Author
- Static Void Podcast Host
- Microsoft MVP, ASP.NET (2008-2014, 2017-2021)
- ASPInsider
- NJDOTNET User Group Leader
- INETA Community Champion



## Employment

### Gerson Lehrman Group (GLG)

New York, NY (Remote)

#### Principal Software Engineer

November 2021 - Present

- Architected and implemented several new full-stack applications leveraging Node, React, and TypeScript (and react-query with react-hook-forms)
- Refactored existing business logic in frontend applications into APIs - and sometimes micro-applications - to be used by multiple applications, new and old
- Maintained a dozen existing internal applications on the Node stack with JavaScript on the frontend, most with (older) React codebases and a few using AngularJS
- Introduced extensive automated tests to new and existing codebases with a mixture of unit and integration tests, along with some UI automation using Cypress or Storybook
- Converted existing CoffeeScript code to JavaScript and/or TypeScript where appropriate
- Converted existing JavaScript applications (mostly Create React App) to vite
- Introduced the team to TypeScript and became the go-to resident TypeScript "expert" for the larger development organization

**Technologies used:** *TypeScript, React, Node, AngularJS, MSSQL, react-query, react-hook-forms, vite, GitHub Actions*

## CentralReach, LLC

Pompano Beach, FL (Remote)

March 2018 - November 2021

### Senior Developer & UI Team Lead/Architect

- Sole Architect and Lead Developer of brand new Single Sign-On (SSO) solution to join all acquired applications under a single platform; system supports over 100k active users with a 25ms avg response time
- 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, .NET Core, OpenID Connect (Identity Framework), Terraform, AWS stack: Lambda, SES, SNS, SQS, SMS, S3, DynamoDB, RDS (MSSQL)

## Merrill Lynch / Bank of America

Pennington, NJ

October 2013 - March 2018

### Director, Sr. Technical Manager

- 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
- 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

July 2013 - October 2013

### Lead Technical Architect

- 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

King of Prussia, PA

October 2012 - June 2013

### Software Development Manager

- 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

Princeton, NJ

October 2010 - September 2012

### Sr. Architect and RIA Specialist

- 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, Ninject, jQuery, Team Foundation Server, NuGet

## HomeNet Automotive (division of Autotrader.com)

West Chester, PA

August 2009 - September 2010

### Sr. Architect and Team Lead

- 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.

Princeton, NJ

April 2006 - July 2009

### Website Team Lead

- 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)

Princeton, NJ

August 2003 - April 2006

### Sr. Web Developer

- 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

Garden City, NY

September 2002 - March 2004

### Architect and Lead Developer

- 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

- 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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## Videos

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[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](#) LinkedIn Learning

[Learning ASP.NET Core MVC](#) LinkedIn Learning

[TypeScript Essential Training](#) LinkedIn Learning

[Up and Running with .NET Core](#) LinkedIn Learning

[ASP.NET MVC 4 Essential Training](#) LinkedIn Learning

[Up and Running with WebMatrix and ASP.NET](#) LinkedIn Learning

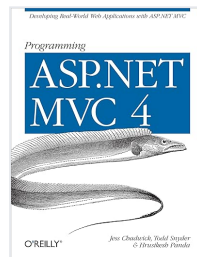
## Books

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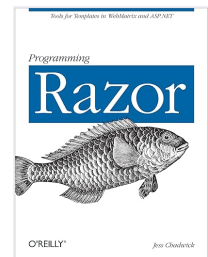
[Essential TypeScript](#)

LeanPub, May 2016



[Programming ASP.NET MVC 4](#)

O'Reilly, October 2012



[Programming Razor](#)

O'Reilly, September 2011

## Magazine Articles

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[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

Adds reverse .NET package lookup support like the "Add Package" context menu item in full Visual Studio

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

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