

PROFILE

Experienced developer with 17 proven years of making computers do good and useful things for humans.

TECHNICAL SKILLS

ADO Pipelines | Agile | AML | Angular | ASP.NET | Azure | **C#** | **CSS** | Debugging via decompiling | Dependency Injection | DevOps | Docker | Entity Framework | **F#** | Functional Programming | GIS | Git | **HTML** | **Javascript** | Jenkins | JQuery | MLOps | MVC | MVVM | .NET | Node.js | NUnit | **Objective-C** | Oracle | PostgreSQL | **Python** | ReSharper | SciKit Learn | SOLID | SQL Server | SQL Server Compact | TDD | Travis.CI | Visual Studio | VSTO | WCF | WinForms | WPF | **XAML** | Xcode

EXPERIENCE

Product Owner - Machine Learning Operations, Chevron, January 2022-Present

- Identified and led a team to build a workflow to deploy, monitor, and retrain ML models across the enterprise
- Worked alongside Microsoft to give feedback on their Azure Machine Learning and Cognitive Services offerings
- Consulted with Data Scientists and ML engineers to identify solutions to deployment and model management
- Worked with architects and cloud engineers to ensure proper compliance and governance of systems

Machine Learning Engineer, Chevron, November 2019-January 2022

- Reorganized a development team to begin visibly showing measurable progress.
- Wrote multiple devops pipelines to ensure data science and machine learning work was deployed to production.
- Led our team of combined data scientists and machine learning engineers towards better engineering rigor.
- Reviewed the work of other teams within the organization for deployability and long-term maintainability.
- Helped focus cloud infrastructure teams to better fill the needs of data scientists within the organization.

Lead Software Developer, Spot Traceability, May 2016-November 2019

- Designed, architected, and wrote the API and web side of Spot's flagship traceability application.
- Designed and implemented a dynamic forms product used by major oil & gas clients.
- Wrote automated deployment and monitoring methodologies using Slack bots.
- Replaced a team of four external consultants in my first two months.
- Implemented over 1,200 unit tests using TDD.
- Worked remotely 100% of the time.

Associate Team Lead, JPMorgan Chase & Co., January 2015-May 2016

- Responsible for the output of an agile team of five developers.
- Managed a VSTO application with a WPF UI, and a backend on Server 2013 with 19 WCF Services.
- Onboarded 27 independent components onto continuous integration and deployment.
- Reduced coupling between reusable assemblies, dividing them into independent NuGet packages.
- Linked automated TeamCity builds with a proprietary deployment system.
- Organized the team to be self-sustaining by introducing peer code reviewing requirements.
- Developed small, high impact applications, deployed on over 17,000 desktops across the enterprise.
- Wrote Powershell scripts to standardize deployments.

Associate Developer, JPMorgan Chase & Co., August 2013-January 2015

- Designed and implemented a greenfield VSTO application with a WPF UI with over 1500 unit tests.
- Designed a framework for 33 advanced PowerPoint charting types with custom formats.
- Defined and presented on the best practices for a proprietary deployment system.
- Worked heavily with, and developed a testable framework around COM Interop objects.
- Integrated the front-end application with WCF services providing data from a Mongo database.
- Led the team in story points completed, and number of lines of code written.
- Trained the team in dependency injection and Test Driven Development best practices.
- Worked in an Agile/SCRUM team using Atlassian JIRA for issue management.

Senior Developer, LiquidFrameworks, LLC., July 2010-August 2013

- Maintained and developed a disconnected WPF application using SQL Server Compact.
- Transitioned the flagship product from a site-installed product to a cloud-based product.
- Implemented several bits of functionality in Salesforce cloud.
- Developed integration layers for Quickbooks, MAS90, Peachtree, and GreatPlains.
- Implemented NHibernate, Castle Windsor and an object proxy system for the flagship app.
- Developed two tie-in iOS applications using Objective-C.
- Used ProtoBuf serialization to replace SQL Server replication, speeding up sync 500-fold.
- Designed and implemented, from the ground up, an entire survey tool, along with 145 unit tests.

Senior Developer, SolArc, Inc., March 2010-July 2010

- Designed and implemented a report editing component for RightAngle, a commodities trading software.
- Worked with a large-scale commodities trading platform written in WinForms and C#.
- Converted portions of a PowerBuilder application into C#.
- Designed a document editing system using Windows Workflow Foundation and DevExpress tools.

Senior Consultant, Catapult Systems, August 2008-March 2010

- Designed, implemented and presented on an MVVM implementation in Silverlight 3.
- Helped Catapult Systems, a Microsoft NSI, become thought leaders in the community.
- Developed an ASP.NET MVC 2 application for an aviation insurance company.
- Refactored a data-driven ASP.NET project to conform to SOLID principles.
- Led various presentations on new technologies, including JQuery.
- Worked for the Houston Texans for a short period of time maintaining their internal applications.

Consultant, Catapult Systems, August 2007-August 2008

- Helped design and develop an ASP.NET project at a major air services provider in Houston.
- Implemented JavaScript, JQuery and AJAX into ASP.NET when AJAX was brand new.
- Implemented a WinForms application for a Florida court system using CAB and Infragistics controls.

Freelance Developer, Hyperactive Concepts, September 2006-June 2007

- Developed C#, ASP.NET and Javascript applications for clients.
- Completed an administrative back-end in T-SQL for a computer training company.

IT Applications Developer, Aaron Rents, Inc., August 2006-August 2007

- Integrated Lawson accounting system and Concur expense reporting system.
- Wrote an auto-dialer application with a user-friendly ASP.NET/Javascript UI.
- Learned C# and worked with CSLA business objects.
- Integrated accounting information between Made2Manage ERP and Lawson Accounting Software.

IT Field Support, Aaron Rents, Inc., September 2005-August 2006

- Re-imaged store servers and workstations using Norton Ghost.
- Configured servers and workstations with DNS, DHCP, WINS, etc.
- Automated my job by creating a VBA script.
- Automated the job of my coworkers by upgrading the VBA script to VB.NET.
- Took part in an ERP implementation, including translating data from the old data source to the new.

Acquisitions Auditor, Aaron Rents, Inc., September 2004-September 2005

- Led multiple acquisitions, converting data from the old POS system to the Aaron Rents POS system.
- Audited Aaron Rents store locations for compliance and risk management.
- Began efforts to automate portions of the process, including the creation of acquisitions documents.

ADDITIONAL ACTIVITIES

Founder/Designer/Developer, Muxica; July 2012-July 2014

Designed and developed an iPhone music app that was highly used in the visually impaired community.

Founder/President, Houston F# Users Group; April 2009-December 2009

Marketed and led the F# Users group in conjunction with the local Microsoft Developer Evangelist.

AWARDS AND CERTIFICATIONS

Microsoft MVP (C#) 2010-2011

MCTS: .NET Framework 2.0 Web Applications

EDUCATION

Texas A&M University - Bachelors degree in Psychology with a minor in Philosophy - 1997-2001

REFERENCES

Available upon request.

ABOUT THIS RESUME

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