

## Summary

Over many years in Information Technology, I've tackled complex automation challenges in all parts of the software development life cycle. I've developed mobile and web software that runs on front-end and back-end systems, as well as middleware APIs. Now that AI is starting to build software and more business critical operations are moving online, I aim to bring my development knowledge and troubleshooting skills to the automated testing industry. I am able to work locally or remotely anywhere in the U.S. without a need for sponsorship.

## Technical Expertise

<b>Technologies</b>	HTML, JavaScript, CSS, jQuery, TSQL, C#.Net, Java, PHP, XML, REST API, Bash; Web API, Web Services, Entity Framework, PowerShell, Active Directory
<b>Databases</b>	Firebase RTDB & Cloud Firestore, Microsoft SQL Server, MySQL
<b>Platforms/IDEs</b>	XCode, Visual Studio, Eclipse, GAE, Heroku, PhoneGap, Apache Tomcat, Framework7; SharePoint, SQL Server Reporting Services, MS/Libre Office, MS CRM, IIS, TFS, Github

## Technical Experience

### **JoeLotto**

*Jul 2016 - Dec 2018*

- Developed the company's website as a single page application - using HTML with JavaScript on the front end, and PHP interacting with the Firebase Realtime Database on the back-end.
- Deployed to multiple servers using custom-built shell scripts running on MacOS and Linux.
- Other Tech Used: Heroku, JSON, jQuery, DNS, Bash

### **David Group**

*Aug 2017 - May 2018*

- Created dynamic and intuitive InfoPath forms for a variety of lists in SharePoint 2010.
- Implemented external lookups to increase SharePoint list maintainability and data reliability.
- Other Tech Used: HTML, JavaScript, jQuery, C#.Net

### **Discover Technologies**

*Aug 2013 - Jun 2017*

- Developed a content management system for PDF, image and office document files. Implemented features that include single-command distributed deployment, content extraction, keyword search, and dynamic result highlighting. Added support for several authentication protocols - including OAuth 2.0, NTLM and ADFS, all working side-by-side.
- Added custom features to SharePoint's mobile view to make site, list and view management capabilities available to people with disabilities.
- Deployed self-contained development environments (which include multiple versions of Visual Studio, SQL Server, and SharePoint) unto multiple virtual machines. Deployed and configured Enterprise and FAST Search within VMs to match the production environment.
- Implemented custom timer jobs to automate the creation of template- based SharePoint sites - having pre-configured security groups and custom document libraries.
- Used Agile development methodology for the overall SDLC and Test Driven Development post-production - with greater than 90% test coverage for Visual Studio Unit Tests.
- Other Tech Used: HTML, JavaScript, CSS, jQuery, C#.Net, TDD, CI, NuGet, TFS, Storyboards, Web API, Entity Framework, MVC, Powershell, Visual Studio, Crystal Reports, XML

### **MyBarber**

*Oct 2015 - May 2017*

- Implemented the back-end using PHP, the front-end using Angular.js, and the website using WordPress. Utilized composer, gulp and the Heroku CLI (with Git) to maintain our code repository. Developed and deployed the MyBarber App to both iTunes and Google Play.
- Other Tech Used: JavaScript, CSS, jQuery, Firebase RTDB, Phonegap, Ionic Framework, Xcode

### **MicroLink**

*Nov 2006 - Aug 2013*

- Designed and developed a Flash-based, XMPP-standard Instant Messenger client for use across several generations of different web browsers. Enhanced the Java-based Openfire server to increase security and to provide transcripts in more than 30 languages.
- Integrated machine translation services from Microsoft, World-Lingo and Language Weaver into SharePoint web pages, Microsoft Office documents and the Instant Messenger clients.
- Created site deployment templates, SharePoint solution packages and Powershell scripts in support of a large-scale SharePoint environment (having several web front ends, hundreds of sites and thousands of users).
- Implemented automated account configuration between Active Directory, Adobe Connect and SharePoint - with support for cross site, multi-domain single sign-on.
- Through automation and innovation, saved our customer over \$50,000 in productivity losses, development costs and annual license fees.
- Other Tech Used: HTML, JavaScript, CSS, jQuery, C#.Net, ASP, VB, Scrum, Sprints, SourceSafe, TFS, CRM, SQL, Powershell, Visual Studio, IIS, Apache Tomcat, J2EE, Reporting Services, SOAP, NUnit

## **Recent Projects**

### **Github.com/Clynton/Pistold**

*Spring 2020*

- Pistold is a reusable Automation Test platform that was built using Maven and Selenium.
- Created test cases using Data-Driven Testing and Behavior-Driven Development frameworks.
- Other Tech Used: Jenkins, TestNG, JUnit, Cucumber

### **ClyntonsBot.firebaseio.com**

*Fall 2019*

- The App is a responsive chat bot built using IBM's Watson Assistant platform.
- Other Tech Used: Intents, Entities, Dialog Nodes, HTML, Bash

### **T3Ai.com/data**

*Summer 2019*

- T3Ai is an automation tool for working with AI data. It's like KNIME for non data scientists.
- Integrated Cloud Firestore with Python local server for in-cloud and on-prem deployment.
- Other Tech Used: NoSQL , JavaScript (React), HTML, and CSS, JSON, Framework7, DNS, Bash

## **Advisory Roles**

### **Thinkful.com**

*Oct 2019 - Dec 2019*

- Helped students learn front end development skills - JavaScript (React), HTML, and CSS.

### **Hack.Diversity**

*Mar 2019 - Dec 2019*

- Helped Fellows articulate strengths and identify areas for improvement in prep for internships.
- Provided support on resume building, interview preparation and software development.

### **Babson College**

*May 2019 - Jul 2019*

- Helped startups develop key performance indicators to effectively focus scarce resources.
- Helped the teams implement strategies to efficiently achieve meaningful early traction.

## **Education**

*Bachelor of Science in Electrical Engineering - University of Massachusetts - Lowell, MA 1998*