

# Tyler Rhodes

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<https://github.com/tylerlrhodes>

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Phone and references available upon request. Resume last updated 1/12/2021.

## Summary:

Software Engineer skilled at gathering requirements and delivering quality software in an agile environment. Expertise in C#, .NET, ASP.NET MVC, Windows, SQL Server, Azure, Visual Studio and associated technologies. A thoughtful and experienced IT professional who has worked in multiple roles in different industries as an employee and contractor/consultant.

## Skills:

C#, JavaScript, Node.js, jQuery, Clojure, Python, C/C++, HTML, CSS, Databases (SQL Server, Mongo, Redis), Web Applications, Web Security, Backend Software Engineering, Azure, AWS, Networking (TCP/IP, DNS, Firewalls, Routers, Switches), DevOps, PowerShell, Windows, Linux, Mac OS

## Professional Experience:

**Subway (Franchise World Headquarters) | Milford, CT**

Software Engineer II

July 2019 – November 2020

Worked on the Digital Development Team developing a site used to distribute corporate communications of varying forms to employees and franchisees. Communicated across teams to implement solutions and solve problems. Provided technical leadership as appropriate to colleagues to help round out overall team development speed and agility.

- Lead an effort to rearchitect document storage, moving from the original design of storing documents in SQL Server to storing them on Azure Blob Storage. Worked with QA, DevOps, and all relevant teams and individuals to take this functionality to production.
- Implemented a secure token signature system to secure access to videos hosted on a 3<sup>rd</sup> party platform by augmenting existing knowledge and progress to complete this task.
- Identified and fixed security issues including access issues, CSRF and XSS issues. Worked with the Product Owner, Lead Software Engineer and Manager to prioritize and fix security issues which impacted the product.
- Replaced a 3<sup>rd</sup> party SharePoint integration system which was to become obsolete with a custom-tailored solution without the unnecessary complexity, removing an external dependency which hindered a clean upgrade to a newer version of Sitecore in the future.

**Bernoulli Enterprise Inc. (Now Capsule Technologies) | Milford, CT**

Software Engineer

October 2017 – July 2019

Focused on the design and implementation of new features for a leading medical integration and clinical surveillance software suite while also performing code maintenance, bug fixes and customer support within Bernoulli's SDLC methodology. Offered guidance to other engineers including code reviews and suggestions on technology adoption. Used my background in Systems and Network Engineering in addition to knowledge about the software to assist in QA and customer support.

- Designed and implemented an add-on software component to the core system to facilitate the transfer of medical information to an EMR system such as Epic through HL7. Implemented as a .NET service with a web component to view the status. In this case the medical information was received in the form of a PostScript file. Led the integration of this component into a live system to bring it to production. Participated in support and bug fixes after go-live.
- Lead the implementation of an interface for the TAP protocol which allows paging systems in Hospitals to send messages and alerts through Bernoulli Software to other alerting systems. Took this project over shortly after inception and lead it through development, testing, and deployment to customers site while working with internal and external partners to go through all required phases and testing for a successful integration.

**FUJIFILM Medical Systems USA Inc. | Stamford, CT**

Systems Integration Engineer / Software Engineer

November 2013 – October 2017

Worked with two teams in a cross-functional role addressing software development and field issues. Participated in aspects of software development including design and implementation of new features, bug fixes, code maintenance, and testing.

- Worked on the DICOM Standards Group and Solutions Delivery Team as an intermediary to develop new features which overlap with the Standards Group and Database Team, as well as address field issues related to Standards within the software.
- With manager, designed and implemented a system for collecting and reporting on key metrics integrated into the overall product. Consisting of an IIS Native Module (C++), a simple ASP Web API, and a JavaScript test harness, the system was flexible enough to support a variety of potential sources of metrics which could be sent via a custom COM component or sent using a network protocol or web API.
- Maintained a utility written in C++ which converted our proprietary file format to a standardized format to work with updates to the proprietary file format.
- Extended middleware database layer access component to support new functionality and queries, involving C# and a CQRS data access pattern and PL/SQL updates to Oracle database.

### **Open Doors Technology | Fairfield, New Jersey**

Network Consultant

June 2010 – November 2013

Consulted for SMB customers in metropolitan NYC area while primarily stationed at two client sites on Long Island. Communicated efficiently and clearly with customers leadership teams to address new and outstanding technology issues to offer guidance and solutions independently or with owner's counsel.

- Used strong networking (Routers, Firewalls, Switches), systems (Windows Active Directory, Exchange, File System...) and hardware (Server, Desktop, iSCSI SAN) knowledge to build out new network functionality and/or resolve issues within existing or new client IT systems.

### **Global Computer Systems | Port Jefferson, NY**

Systems Integrator

April 2007 – February 2010, 2003-2004

Multiple roles supporting clients and providing IT services. Lead and managed multiple projects and deployments working independently or with colleagues/manager to support clients as needed.

- Participated in all aspects of information systems operations, including the design, support, maintenance, documentation and management of many different networks of varying sizes and complexities.

### **Volunteer Work:**

#### **EndCoronaVirus.org #COVIDZero | Remote**

Technology Consultant / Community Outreach

- Assisted however possible with technical efforts and communications
- Community outreach and feedback

#### **PAWS Animal Shelter | Norwalk CT**

Volunteer

Socialized cats and helped clean cages.

### **Online Writing Examples:**

- Writing a Blog Engine in ASP.NET Core - <https://www.codeproject.com/Articles/1178519/Writing-a-Blog-Engine-in-ASP-NET-Core>  
Awarded "Best Web Dev Article of March 2017" by Code Project community and featured on the weekly "ASP.NET Community Standup."
- Clojure: Sequences, part 1: <https://tylerrhodes.net/posts/clojure-sequences/>

### **Education:**

Coursework at Marist, Georgia Military College, and Empire State College

A+ Certification

Expired CCDA