

Michael T. Hartley

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TECHNICAL WORK EXPERIENCE

Vertafore, Software Engineer I

Nov 2017 - Present

- Designed and coded new endpoints for an asynchronous RESTful API in .NET Core with a controller - service - repository architecture and comprehensive unit testing
- Developed new Angular account management page within existing C# MVC architecture, reducing load on customer support and allowing users to more easily handle routine policy download process
- Implemented new endpoints into WSAPI for use by our integration partners across the Vertafore product family
- Created WinForm tool for QA to test code changes in format utility file, greatly reducing manual testing effort
- Wrote SQL scripts for nightly build process to update authorization across policy WinForms and WebForms
- Fixed multiple high priority defects, communicating with multiple teams and product owners to resolve bugs
- Communicated new features and code changes to integration partners across the company, enabling seamless release of products
- Experienced working within a legacy codebase dating back to 2000, constantly analyzing how code change could affect other features
- Practiced both SAFe and Scrum agile frameworks, optimizing development and release of requested features

PERSONAL PROJECTS

New HartPR (React, HTML, CSS)

A modern single page application that archives local video game tournaments and players' progress

- Used Axios library with then/catch promises to query backend routes
- Implemented skeleton loading for a smoother user experience

HartPR.API (C#, Python)

A RESTful API that services player, tournament, and other interesting data in JSON response format

- Expanded scope of api routes to dynamically handle one player entering multiple games
- Implemented JSON web tokens for authentication and authorization of protected CUD routes
- Deployed using Azure, runs python scripts as regular jobs to recalculate trueskill and update data

HartTV (Python, HTML, CSS)

A web application designed to manage TV shows watched with a focus on user-to-user interaction

- Constructed standard CRUD features for the user and show application components
- Built adhering to Django's model/template/view standard for development with a MySQL database
- Experienced deployment to Amazon AWS (EC2) Ubuntu service instance using Nginx and Unicorn

TECHNICAL SKILLS

- **Languages:** C#, JavaScript, Python, SQL, HTML, CSS
- **Frameworks:** ASP.NET Core, React, Angular, Django, Flask, MVC development
- **Technologies:** Visual Studio, TFS, Git, Azure, AWS, Microsoft Test Manager
- **Database:** MSSQL, SQL Server Profiler, MySQL, PostgreSQL, SQLite

EDUCATION

Coding Dojo

Full-Stack Web Development Student

May 2017 – Sept 2017

- Completed an immersive web development program, earning the highest available certification in each stack

University of Washington

B.S. in Neurobiology - 3.53 GPA

Sept 2012 – June 2016

- *Relevant Coursework:* Data Programming, Data Structures, Elements of Statistical Methods