

# MICHAEL HARTLEY

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## TECHNICAL WORK EXPERIENCE

### SAP Concur | Software Design Engineer II

JAN 2019 – PRESENT

- Developed backend services for Concur's travel platform, including trip acquisition, reporting, automated approval, management, and vendor specific services
- Contributed to the re-architecture and rewrite of three existing WSF cron jobs, consolidating them into one automated, testable service written in Go
- Implemented retry logic for Go service to consume generic events from external services and generate payloads to send to internal consumers, using AWS SQS (Simple Queue System) and DynamoDB
- Worked cross collaboratively with other teams as SME of several trip acquisition jobs, implementing new features and ensuring backwards compatibility across multiple versions
- Followed a DevOps model, maintaining ownership, development, testing, and deployment of services in AWS
- Designed effective logging and dashboard schemas, allowing for consistent monitoring of prioritized services
- Collaborated with PM on escalated customer cases, efficiently diagnosing issues and fulfilling client SLAs
- Produced and maintained concise, high-quality software design documents and wiki pages
- Actively participated in Agile ceremonies and design meetings, optimizing development and feature quality

### Vertafore | Software Engineer I

NOV 2017 – DEC 2018

- Designed and coded new endpoints for asynchronous RESTful API in .NET Core with a controller - service - repository architecture with comprehensive unit testing
- Implemented new endpoints into WSAPI for use by integration partners across the Vertafore product family
- Experienced working within a legacy codebase, analyzing how code changes could affect other features

## PERSONAL PROJECTS

### HartPR.API | A RESTful API servicing 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 CRUD routes
- Deployed using Azure, runs python scripts as regular jobs to recalculate trueskill and update data

### HartTV | 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
- Experienced deployment to Amazon AWS (EC2) Ubuntu service instance using Nginx and Gunicorn

## TECHNICAL SKILLS

**Languages:** C#, Go, Kotlin, Java, JavaScript, VBScript, Python, SQL, HTML, CSS

**Frameworks:** ASP.NET Core, Go modules, Gradle, Maven, Django, MVC development

**Technologies:** Visual Studio, JetBrains Suite, Git, Docker, Kubernetes, AWS, Azure, Jenkins, Buildhub

**Database:** MSSQL, MongoDB, 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