# MICHAEL HARTLEY

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## WORK EXPERIENCE

**SAP Concur |** Software Design Engineer II                                        JAN 2019 – PRESENT
- Developed backend services for Concur's core travel platform components, including trip acquisition, automated approval, and vendor services
- Contributed to the re-architecture and rewrite of 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
- Maintained ownership, development, testing, and deployment of services in AWS as part of DevOps
- Designed effective logging and dashboard schemas 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 implemented endpoints for asynchronous REST API in .NET Core with unit and integration testing
- Implemented new endpoints into WSAPI for use by integration partners across the Vertafore product family
- Analyzed how code changes in the legacy codebase affected Vertafore's oldest features

## PERSONAL PROJECTS

**HartPR.API |** A RESTful API servicing player, tournament, and other interesting data in JSON response format
- Expanded functionality 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 |** 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
- Hosted on Amazon AWS (EC2) Ubuntu service instance using Nginx and Gunicorn

## TECHNICAL SKILLS

**Languages**: C#, Go, Kotlin, Java, JavaScript, VBScript, Python, SQL
**Technologies**: AWS, Azure, Jenkins, Visual Studio, JetBrains Suite, Git, Docker, Kubernetes

## 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

## EXTRACURRICULARS

- Volunteer at the Seattle Union Gospel Mission, engaging in homeless outreach by offering hope and support