

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 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
- 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 Unicorn

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