KEVIN R WALSH

Full–Stack Developer

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SKILLS

Programming Languages
- JavaScript
- Python
- Bash

Frameworks
- Vue.js
- Node.js
- Express
- FastAPI
- Bootstrap

Tools
- Git
- Docker
- Kubernetes

EDUCATION

B.S. Business (Business Analytics)
Minor in Computer Science
University of Rochester
📅 2014 - 2018
📍 Rochester, NY

INTERESTS

- Learning languages
- Improv Comedy
- D&D and other tabletop games
- Cooking

WORK EXPERIENCE

Lead Software Engineer

Booz Allen Hamilton, Strategic Innovation Group

📅 July 2021 - current   📍 Washington, DC

- Gathered requirements and led brainstorming sessions to design the architecture for a full-stack web application to improve user experience for an existing cyber defense capability.
- Led development efforts for the web application from initial implementation through several major releases
- Developed unit tests using Jest as well as an end-to-end testing suite using Selenium in order to ensure core application functions were working as intended in an efficient manner
- Developed additional endpoints for an existing Python-based REST API (using FastAPI) to improve integration with the previously mentioned web application

Staff Software Engineer

Booz Allen Hamilton, Strategic Innovation Group

📅 July 2019 - July 2021   📍 Washington, DC

- Containerized a data visualization dashboard product using Docker to reduce local set-up times and avoid issues stemming from running the product on different machines
- Developed new components and services for an existing front-end mapping product using Angular to improve smoothness of user experience
- Rapidly prototyped and dockerized a full-stack web app for a proposed cyber capability to demonstrate potential value for future work
- Developed and deployed machine learning models to detect and classify gestures in live video feeds, employing a variety of statistical tests to engineer effective features
- Conducted a distributed map/reduce effort using Python multiprocessing to extract statistics from large amounts of American Community Survey public-use microdata

Software Engineer

Booz Allen Hamilton, Strategic Innovation Group

📅 August 2018 - July 2019   📍 Washington, DC

- Added several new features to a funding prioritization web applications, eventually taking over development entirely from the former lead developer
- Developed interactive data visualization dashboards with a strong focus on user experience using D3 and jQuery
- Developed a multi-source data integration capability using a Microsoft HoloLens and NVIDIA Jetson Nano as part of a computer vision proof-of-concept
- Built up knowledge of an emergent machine learning framework (Microsoft ML.NET) in a limited time frame to integrate a cyber risk scoring AI capability into an established client-facing product