

Ryan Krumbholz

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Skills

Languages Javascript, Typescript, Python, Java, C#, HTML/CSS

Frameworks React, Node.js, Express, Redux, Tensorflow

Tools Git, AWS, Linux, Virtual Machines, PostgreSQL, MongoDB, CI/CD, Google Cloud Platform

Experience

InfoTrust

April 2021 – Present

Software Engineer

Seattle, WA

- > Architected, developed, and delivered **Node.js** solution for Global 100 client that improved performance over existing solution by ~ 200x.
- > Improved the performance of an internal web application by 10x through refactoring algorithmic inefficiencies and **SQL** queries.
- > Developed **micro-services** in **Node.js** for an internal task processing system, leveraging existing services in the Google Cloud Platform such as App Engine, Cloud Functions, Cloud Run, Cloud Scheduler, and Cloud Pub/Sub.
- > Developed scripts to automate workflows on various platforms (Google Analytics, Google Tag Manager, etc.) utilizing the appropriate Google APIs.
- > Architected a solution to transform an existing internal automation framework into a **micro-service** in order to expedite delivery of a product.

Seattle Central College

June 2018 – Aug 2018

Computer Science Teaching Assistant

Seattle, WA

- > Assisted Prof. Clarke Wellman in teaching CSC110, an introductory computer science course.
- > Aided students in understanding the fundamentals of programming in Python.

Projects

Expensey

January 2020

- > Created single page web application front-end with **React**.
- > Developed **REST API** that interfaces with **MongoDB** using **Node.js**, **Express**, & **Javascript**.
- > Implemented dark mode utilizing **React state management**.
- > Deployed **REST API** to **AWS**.

Forte

December 2020

- > Created **PWA** front-end with **React**, **Redux**, & **Axios**.
- > Developed **micro-services** architecture that relies on **REST APIs** using **Node.js**, **Express**, **MongoDB**, **JavaScript**, & **Axios**.
- > Implemented user matching algorithm that relies on **Python** and **Tensorflow**.
- > Deployed **REST APIs** to multiple **AWS EC2** instances.
- > Implemented **CI/CD** pipeline.

Tweet Tracker Bot

April 2019

- > Utilized Twitter API to track the number of times a user tweets hourly/daily using **Python**.

Education

New York University

January 2019 - January 2021

Bachelor's of Science Computer Science (incomplete)

New York City, NY