Harrison Fok

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Skills

Web Development

Frontend

React · Redux · Bootstrap · Tailwind · HTML5 + CSS3 + JavaScript · Vue.js · Nuxt.js · Socket.io

Backend

Spring · Node + Express · Go · Mongoose · MySQL · .NET C#

Software Development

Languages

Java + Android · Python

Libraries/Tools

Tkinter · Docker

Education

University of Toronto

Computer Science Specialist - Software Engineering Co-op | 2013 - 2021

Work

Citibank

09/2022 - Present | Production Support Analyst

- Developing a web app for the team to extract weekly ServiceNow entities and for web scraping on weekly highlights
- Implemented the web app with React frontend and FastAPI backend (GraphQL), along with OAuth and JSON webtoken to ensure security
- Investigating on the deployment aspect of the web app, in terms of using OpenShift, Podman, and RedHat

Revature

04/2022 - Present | Software Developer

- Implemented the TravelAdvisory (group) project that determines whether a place is safe to travel based on covid status - https://github.com/HarrisonFok/TravelAdvisory
- Underwent 10 weeks of DevOps training on Docker, Kubernetes, Google Cloud, Java, and Spring

University Health Network

01/2019 - 04/2019 | Software Developer (Co-op)

- Developed a full-stack Go web application using Blue Jay MVC, fulfilling client needs through feature implementation
- Migrated a huge amount of client data with more than 30 sections into the database of the web application

York Region District School Board

05/2017 - 08/2017 | Programmer (Co-op)

- Developed a web application using .NET C#, JavaScript, Bootstrap, jQuery, and Exchange server to extract daily Outlook appointments
- Developed a stored procedure to query all the IB students from multiple tables using SQL Server Reporting Services

Projects

Covid Tracker

02/2023 - Present | https://github.com/HarrisonFok/CovidTracker (private)

- Developing a MERN (GraphQL) web app for the project idea
- Implemented Dockerfiles for both frontend and backend, as well as docker-compose.yml
- Set up pipeline using GitHub Actions so that it builds images on every push, and working on its Kubernetes deployment files

Magic Video

03/2020 - 04/2020 | https://github.com/HarrisonFok/project-team-pepega

- Developed a video editing web application using node-fluent ffmpeg
- Set up the initial code for the MERN stack web app
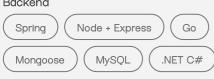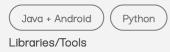- Implemented additional features the team wanted to achieve, such as adding transition effects