

Harrison Fok

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Skills

Web Development

Frontend

React

Redux

Bootstrap

Tailwind

HTML5 + CSS3 + JavaScript

Vue.js

Nuxt.js

Socket.io

Backend

FastAPI

Node + Express

Starlette GraphQL

Spring

Go

Mongoose

MySQL

.NET C#

Programming/DevOps

Languages

Java + Android

Python

Libraries/Tools

OpenShift

Docker

Kubernetes

Harness

Pandas

Tkinter

Education

University of Toronto

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

Work

Citibank

09/2022 - Present | Production Support Analyst

- Handling two full-stack projects within engineering team for company-wide usage, with FastAPI and Node.js backend, React frontend, GraphQL, and best security practices such as IP Whitelisting
- Dockerized frontend and backend apps using internal base images for Kubernetes orchestration in the OpenShift infrastructure
- Set up project build using newly Citi-developed DevOps technology, in conjunction with Harness for efficient software delivery and deployment, adhering to the Microservices software architecture

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, Spring, and contracted to Citibank afterwards

University Health Network

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

- Developed a full-stack Go web application using Blue Jay MVC in team setting, 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 - 04/2023 (pause) | <https://github.com/HarrisonFok/CovidTracker>

- Developing a MERN (GraphQL) web app for the project idea
- Implemented Dockerfile and docker-compose.yml for both frontend and backend
- 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 for team
- Implemented desired features such as video transitional effects