

Terry Chan

Full-Stack Developer

Toronto

(416)-473-1890

cch01@protonmail.com

Languages

English

Japanese

Cantonese

Mandarin

Full-Stack Developer with over 4 years of expertise in optimizing application performance and team workflows. Passionate about leveraging cutting-edge technologies to drive exceptional results and foster innovation in software development. Demonstrates strong leadership in guiding teams, mentoring junior developers, and delivering scalable, high-quality solutions.

Links

Website

<https://cch-4679.ca>

LinkedIn

<https://linkedin.com/in/terry-chan-a02666216>

Github

<https://github.com/cch01>

Skills

Languages

Node.js, Typescript, Javascript, Dart, Python, Ruby

Frontend

React.js, Redux, Mobx, Apollo, Next.js, React Native, Electron.JS, Flutter, TailwindCSS, HTML5, CSS3, Material UI, Bootstrap, SEO

Backend

Express.js, GraphQL, Nest.js, Django, Flask, Strapi, Ruby On Rails, Docker, Kubernetes

Database

Postgres, MySQL, MongoDB, Redis

DevOps

AWS, Digital Ocean, Vercel, Netlify, Heroku, Github Actions, CI/CD pipeline

Testing

Jest, react-testing-library, cypress

Soft Skills

Leadership on Software Development, Effective Communications, Teamwork Enhancements, Mentoring of Junior Developers

Employment history

Full Stack Developer, Fintros Inc.

Jan 2022 - Present

Toronto, Ontario

- Directed the team of 4 members for a **React Native** mobile app development
- Optimized a Next.JS application and achieved up to a **4x improvement** in web site performance score using various **React, Next.JS, and backend optimization techniques**
- Implemented **Kubernetes** for scalable cluster setup, achieving a remarkable **20x performance improvement** for heavy tasks
- Optimized **Team Workflows**: Overhauled team **coding protocols** and **mandated the writing of test cases**, resulting in improved **code quality** and **maintainability**, along with a marked **reduction in repetitive and preventable errors**
- Guided and mentored **4 junior developers**

Junior Developer, Amaz Global Limited

Mar 2020 - Jul 2021

Hong Kong

- Initiated and built the back-end of an **e-commerce platform**, incorporating **21 GraphQL endpoints**
- Decoupled and revamped a web app, enabling **automated deployment** via AWS with CDN services, achieving over **50% reduction** in application interaction time
- Automated application translation updates result in improved **content flexibility**, a **5x reduction** in team workloads, and a **7x decrease** in time to rollout
- Spearheaded a Flutter application's backbone, ended up with **58 reusable components built**
- **AWS Services**: Utilized a variety of AWS services, including **ECS, EC2, S3, Lambda, ELB, CodePipeline** etc. to build scalable and reliable solutions for applications

Personal Projects

Just Tetris

A modern take on the classic game

- Developed a Progressive Web App with custom Tetris logic, built using React, TailwindCSS, and Vite.
- Enabled features like customizable board dimensions, difficulty levels, saved configurations, and high score tracking.
- Designed smooth touch controls and responsive resizing, with upcoming support for real-time multiplayer.

Github: <https://github.com/cch01/just-tetris>

URL: <https://just-tetris.cch-4679.ca>

Personal Projects

Mouse Automator

A cross-platform desktop mouse automation application

- Feature-rich **Electron.js application** which aim to **automate mouse clicks** with ease on native **Windows, Mac, Linux** environment. Specialized for **running concurrently with selected applications**.

Github: <https://github.com/cch01/mouse-automator>

Ontario Diner

Seamless bill splitting and tipping across ontario

- A user-friendly, web-based React application designed for Ontario residents, providing instant **4 calculations for dine out bill payment: taxes, discounts, tips, and bill splitting**
- Established as a **progressive web app(PWA)**, enables **instant offline usage** and **mobile installation**

Github: <https://github.com/cch01/ontario-diner>

URL: <https://diner.cch-4679.ca>

FitBies - Instant P2P video meeting and messenger web app

Personal Project

- Synchronized user states, chat room messages, and activities using **2 GraphQL Subscription endpoints**
- Integrated a **self-hosted STUN server for WebRTC video chatting** into a NestJS backend, with **27 GraphQL endpoints** developed

Education

The Hong Kong Polytechnic University, Hong Kong

MSc in Information Technology

Sep 2020 - Aug 2021

City University of Hong Kong, Hong Kong

BSc in Applied Chemistry

Sep 2014 - Aug 2018