

Edward Wong

Full Stack Developer – Toronto, ON

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Summary

Experienced full stack developer with 6+ years development experience. Proficient in React, JavaScript, HTML, CSS, NodeJS, and Unix. Skilled in enhancing and adding new features to large JS code-bases. Passionate about the latest web technologies and delivering exceptional user experiences.

Skills

Languages: JavaScript/TypeScript, HTML/CSS, Python, Go, PHP, C#, Java, SQL, NoSQL, ESQL

Tools: Git/GitHub, Unix Shell, VS, VS Code, Jira/Confluence, Microsoft Office, Docker, Docker Swarm, nx, helm, ibm IIB, ibm MQ, ibm RSA

Frameworks: Nextjs, React, Angular, Vue, Electron, Springboot, NodeJS, ASP.NET, TailwindCSS, FastAPI, Laravel, FTM

AWS Cloud: S3, Amplify, EC2, Route53, ECR, ECS, SQS, SNS, ELB

Professional Experience

Scotiabank | *API Engineer* | *Full-time permanent of Aaron Consulting Inc* 2024 Mar - present

- Developed Data streaming API using Java Spring boot that serves SaaS application used by more than 60+ operators and handle to fraud.
- Maintained and adding new features to **IBM Financial Transaction Manager(FTM)** which heavily relies on **esql**, **IBM mq** and **IBM DB2**. FTM orchestrate 50+ upstream downstream applications critical for the bank payment operation
- Onboarding API to **GCP Atlas(GKE)** and manage the **helm chart** for the deployment
- Negotiating with Network, Security and Business user to ensure a secure API channel following **OAuth** standard
- Carry out secure connection with **Enterprise Data Lake redis Oracle DB IBM DB2**
- Preparing Demo frontend for the API using **react next.js** and **tailwind**

Crypto Mattock Limited | *Senior Full stack Developer* | *Part time* 2023 Oct - 2025 Jan

- Developed and maintain an secured public web portal using **React** and **expressJS** interfacing multiple internal and external **Restful API**
- Create and review test case for **e2e test** and **unit test** using **cypress** and **jest** respectively
- Manage **CICD** workflow using **AWS ECS** and **github action**

ExportAs | *Senior Software Developer* | *Freelance* 2024 Feb - 2024 Aug

- Design and Develop secured SaaS application using **nextjs**, **supabase**, **keystonejs**
- Manage project infrastructure using **terraform**

BTIG Hong Kong Limited | *Analyst, Full-stack Developer* | *Full-time permanent* 2022 Jun - 2023 Sept

- Developed a robust desktop application using **Electron** and **React** that is currently used by 30+ professional traders. Allowing traders to execute trades quickly and efficiently.
- Developed and maintain an secured internal web portal that provides market insights to 50+ APAC based professional traders and operations. The Portal is built using React and **expressJS** consuming **Kafka**, **Websocket**, **Restful**, **GraphQL API**
- Integrated the company's internal system with **Bloomberg IB chatbot** via **Bloomberg API**
- Developed a platform using **NodeJS**, **Java** and **C#** to Automated daily reports, streamlining the reporting process and reducing the risk of errors.

Gritus Technology Limited | *Junior Full-stack Developer* | *Full-time permanent* 2021 Aug – 2022 May

- Maintained an **Electron VueJS** vending machine app used by over 300+ machines in Hong Kong
- Developed and maintained a React Native based customer loyalty mobile app used by 1,000+ active users to redeem vending machine products and vouchers with **Laravel** and **React native**

- Maintained an internal reporting system with **Laravel** and **VueJS** that provides real-time updates on machine performance and sales figures
- Collaborated closely with the UI/UX designer to create intuitive and user-friendly applications with **React** and **Winter CMS**

Coding 101 | *Junior Full-stack Developer* | *part-time permanent* 2018 Jun – 2023 Sept

- Deliver STEAM material to general publicity; develop tutorial material for STEAM class in **Arduino C**, **python** and etc; Develop and maintain applications for event using **React/React Native and NodeJS**
- Develop STEAM competition dashboard using **JQuery** with **bootstrap** frontend and **NodeJS** backend with **websocket**; Hosting STEAM tutorial class to student covering Arduino, minecraft and microbit

Featured Project

Wedding Application | NextJS, tailwindCSS, mongoDB, terraform, AWS ECS, AWS ECR, AWS ELB , Git, React Native, React, NodeJS, express , nx, tailwindCSS, postgres Nov 2022 – Jan 2025

<https://github.com/DrEdwardPCB/Wedding-Suite>

<https://github.com/DrEdwardPCB/Wedding-Proposal-Suite>

- Developed a web app for Wedding Registration, Logistic, and Guest management using **NextJS** and **React**
- Developed a mobile app using **React Native** for fiancée to complete the city hunt game during wedding proposal
- Developed 2 web server using **NodeJS express** one of them hosted on home desktop for data delivery and authentication another host on **Raspberry PI** as a trigger to open the ring box via the mobile app

Python-taew | Python, Pandas, Numpy, Git May 2021

<https://github.com/DrEdwardPCB/python-taew>

- Developed a library in **python** for carrying out technical analysis based on **Elliott wave theory**

JAVASCRIPT-Clustering | JQuery, Bootstrap, CSS, Git Dec 2020

<https://github.com/DrEdwardPCB/JAVASCRIPT-Clustering>

- Developed a frontend webpage for performing unsupervised machine learning using 3 different algorithm namely **K-mean**, **Mean-shift**, **DBSCAN** with **jquery** and **bootstrap**

JAVA-FYPvesiCount-GUI | Java, JavaFX Jun 2019

<https://github.com/DrEdwardPCB/JAVASCRIPT-Clustering>

- Developed a Desktop application with **Java** and **JavaFX** for counting and analyse **epi-fluorescence microscope images**

Featured Certificate

Professional Scrum Mater I Scrum.org Oct 2023	Software Engineer Hackerrank Mar 2025	Frontend Developer(React) Hackerrank Mar 2025	Java(Basic) Hackerrank Mar 2025
Javascript(intermediate) Hackerrank Mar 2025	Angular (Basic) Hackerrank Mar 2025	Go (Basic) Hackerrank Mar 2025	Web design and Development Cantek Nov 2023

Education

Hong Kong University of Science and Technology Aug 2021
MPhil in Life Science (Scientific Computation) GPA 3.82/4.3

Hong Kong University of Science and Technology Aug 2019
BSc in Biochemistry and Cell Biology, (Chemistry, Biological Physics, Information Technology) GPA 3.23/4.3

Languages

English: fluent Cantonese: Native Mandarin: fluent