

James Ah Yong

Software Architect

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Professional Attributes

- Able to work harmoniously with peers under pressure
- Experience collaborating with international teams across linguistic and time zone barriers
- Able to critically problem-solve efficiently
- Effective interpersonal skills, strong leadership skills
- Self-motivated, quick, independent learner

Languages JavaScript, TypeScript, Python, SQL, Sass, CSS 3, PHP
Frameworks Node.js, Express, React, Gatsby, GraphQL, React Native
Miscellaneous Agile, Kanban, CI/CD, Google Cloud Platform, AWS, Firebase

Work Experience

TAKINGITGLOBAL

Software Architect

June 2020 – Present

Platforms GCP, Firebase, Airtable, Prismic, Netlify, | **Languages** JavaScript, TypeScript, PHP, MySQL, GraphQL
Frameworks Node, Express, React, Gatsby, React Native, Expo | **Miscellaneous** Kanban, GitHub CI

- Reporting directly to the Director of Innovation on web and mobile projects
- Working collaboratively with a remote team
- Facilitating the #RisingYouth microgrant program in partnership with the Government of Canada's youth initiatives and COVID-19 response at-large
- Creating websites with a focus on accessible browsing for disadvantaged communities
- Developing cross-platform mobile app
- Managing CI/CD devops and integrating modern tools with legacy infrastructure

THE CANADIAN PARTNERSHIP AGAINST CANCER

Web Developer

June 2017 – Sept. 2017

Platforms RHEL, Apache | **Languages** JavaScript, TypeScript, PHP, MySQL | **Frameworks** React

- Created a full-stack intranet database management webapp to manage enormous quantities of abstracted data for the national Cancer Control Strategy

Hobbies and Interests

- Hackathons (Third Place Overall & Best IoT Hack, Urban Hacks 2019)
- Creating/playing team-based puzzle games: ARGs, CTFs (99th percentile, picoCTF 2019)
- Virtual 3D modeling in Blender, animation, various digital art forms
- The physical sciences: chemistry (97th percentile, Waterloo Avogadro 2019), physics
- Playing acoustic guitar, piano, and electric bass
- Contributing to open projects: open source, Wikimedia, humanitarian OpenStreetMap

Volunteer Experience

JOHN FRASER SECONDARY SCHOOL

Fraser Votes

2020

Platforms Firebase, Github CI | **Languages** JavaScript, TypeScript | **Frameworks** React, Gatsby, GraphQL, Express

- Developed web application for conducting a secure 2020 student council election remotely in response to COVID-19
- Featured in the *MindShare Learning Report*. Read more on my Medium [here](#).

Head of Mentorship, FraserHacks

2019

Peel Region's largest hackathon

- Lead workshops on rapid webapp prototyping with Firebase
- Assisted hackers to problem-solve in their individual issues faced

Peer Mentoring

2018 – 2019

- One-on-one mentoring with freshmen to facilitate smooth transitions to high school
- Organizing school-wide and inter-school events to promote mental health initiatives

VOLUNTEERING PEEL

Head of Information Technology

2017 – 2020

Platforms AWS EC2, Ubuntu, Apache, Cloudflare, CircleCI | Languages JavaScript, TypeScript, MySQL | Frameworks React

- Redesigned public and private websites/webapps along with associated infrastructure
- Features included real-time editing with WebSockets, OAuth, and custom CMS
- Facilitated sponsorship deals and migration to serverless architecture

UNIVERSITY OF WATERLOO / WILFRID LAURIER UNIVERSITY

Computer Science / Business Administration

2020 – Present

Currently pursuing a double BCS/BBA degree.

JOHN FRASER SECONDARY SCHOOL

Advanced Placement (AP) Program

2016 – 2020

- Graduated with 96% average (4.0 GPA) and undergraduate awards in grades 11/12 computer science, grade 10/11 AP history, and grade 11 AP language & composition.

International DECA Competitor

2016 – 2019

- Three-time provincial competitor
- Competed in Business Law & Ethics at the 2019 International Career Development Conference in Orlando; awarded Top 10 written award

Education

THE KNOWLEDGE SOCIETY

Innovator

2018 – 2019

TKS is a human incubator giving young people skills to solve the world's biggest problems

- Innovated with machine learning/AI, genomics, and other emerging technologies
- Applied skills by consulting with Fortune 500 companies including Walmart and TD Bank

RBC / JUNIOR ACHIEVEMENT

Company Program

2018 – 2019

- Served as Vice President of Information Technology of student-run company in 2018–2019, facilitating effective use of digital tools to solve corporate issues
- Special digital consultant in 2019 for a company delivering custom digital portfolios

Personal Website<https://retrocraft.ca>

Portfolio

#RisingYouth<https://risingyouth.ca>**Volunteering Peel**<https://volunteeringpeel.org>

See more on GitHub. References available upon request.