

James Ah Yong

Full-Stack Developer

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Professional Attributes

- Able to work harmoniously with peers under pressure
- Experience with collaborating with people around the globe
- Able to critically problem-solve efficiently (i.e. bug fixes, algorithms, etc.)
- Has effective inter-personal skills, strong leadership skills
- Reliable, self-motivated and a quick, independent learner

Skills

PLATFORMS

- Windows
- Linux: Ubuntu, RHEL, Arch
- Cloud Computing: AWS, GCP, Azure
- Websites: including Webapps/PWAs
- Mobile: Android, Cross-Platform
- Serverless: Firebase, Airtable

SOFTWARE

- Visual Studio
- VS Code
- SSH/(S)FTP
- Git/GitHub/Lab
- Android Studio
- AdSense/Analytics
- Microsoft Office
- Google Drive/Docs
- Blender
- GIMP
- Inkscape
- vim emacs sucks
- TravisCI, CircleCI
- Kanban boards (Trello)
- Slack

LANGUAGES

- HTML "programming" ≠ "markup" but it's still a "language"
- JavaScript
- CSS/Sass
- PHP
- bash/zsh
- LaTeX technically, it is a Turing-complete programming language
- JS but for IE9 a whole different skill, really
- Python
- Java
- MySQL

FRAMEWORKS

- Bootstrap
- Bulma
- React
- Expo
- Gatsby
- Prismic
- Node.js
- Express
- Webpack
- npm/Yarn
- WordPress DYK? PHP stands for Programmers Hate PHP.

Work Experience

TAKINGITGLOBAL

Software Architect

June 2020 – Present

Working on web- and mobile-based projects, including the #RisingYouth microgrant program in partnership with the Government's youth initiatives and COVID-19 response. Gatsby-based web development focusing on supporting accessible and legacy browsing to reach disadvantaged communities. Also developed cross-platform mobile app with React Native, managing CI/CD devops, integrated Airtable database with legacy infrastructure.

THE CANADIAN PARTNERSHIP AGAINST CANCER

Web Developer

June 2017 – Sept. 2017

Created a full-stack LAMP/React.JS intranet database management webapp to facilitate management of enormous quantities of abstracted data for the national Cancer Control Strategy. Collaborated on-site and remotely with a full-time IT team in a corporate setting.

Hobbies and Interests

- Video game, website, and contest programming
- Hackathons (nwHacks 2020; Third Place Overall & Best IoT Hack, Urban Hacks 2019)
- Creating/playing competitive puzzle-solving games: ARGs, CTFs, escape rooms
- Virtual 3D modeling, animating, and various digital art forms
- Computer science, chemistry (97th percentile on Avogadro Exam), and physics
- Playing acoustic guitar, piano, and electric bass
- Teaching people about a wide variety of subjects (formal tutoring and informally)
- Contributing to open projects (e.g., open source, Wikimedia projects, OpenStreetMap)

Volunteer Experience	<p>VOLUNTEERING PEEL</p> <p>Head of Information Technology Oct. 2017 – June 2020</p> <p>Redesign of public and private websites/webapps along with associated infrastructure (i.e. servers via AWS, DNS via GoDaddy, continuous integration and deployment via CircleCI). Specific features include real-time editing with WebSockets, OAuth integration, and a custom CMS. Facilitating sponsorship deals and migration to serverless architecture.</p> <p>JOHN FRASER SECONDARY SCHOOL</p> <p>Peer Mentoring 2018 – 2019</p> <p>One-on-one mentoring with ninth grade students to facilitate smooth transitions to high school; organizing school-wide and inter-school events to promote mental health initiatives.</p> <p>Head of Mentorship, FraserHacks 2019</p> <p>Peel Region's largest hackathon. Lead workshops on rapid webapp prototyping with Firebase, critically problem-solved to assist hackers in individual issues faced.</p>
Education	<p>UNIVERSITY OF WATERLOO / WILFRID LAURIER UNIVERSITY</p> <p>Computer Science / Business Administration 2020 – Present</p> <p>Currently pursuing a double BCS/BBA degree.</p> <p>JOHN FRASER SECONDARY SCHOOL</p> <p>Advanced Placement (AP) Program 2016 – 2020</p> <p>Graduated with 96% average (4.0 GPA) and undergraduate awards in grades 11 and 12 computer science, grade 10 Canadian history, grade 11 AP World History, and grade 11 AP language & composition.</p> <p>International DECA Competitor 2016 – 2019</p> <p>Three-time provincial competitor. Competed in Business Law & Ethics at the International Career Development Conference 2019 in Orlando, Florida, awarded Top 10 written award.</p> <p>FraserTalks Speaker 2019</p> <p>Presented a TEDx-style talk to an audience of students and teachers on the importance of praxis and answering the question of "So what? I'm bored." in the 21st-century classroom.</p> <p>RBC / JUNIOR ACHIEVEMENT</p> <p>Company Program 2018 – 2019</p> <p>Served as Vice President of Information Technology in 2018–2019, facilitating effective use of digital tools to corporate solve issues. Returning as a special digital consultant in 2019 for a student company delivering custom online portfolio solutions.</p> <p>THE KNOWLEDGE SOCIETY</p> <p>Innovator Program 2018 – 2019</p> <p>TKS is Canada's foremost human incubator for giving young people the skills and mindsets to solve the world's biggest problems. Students innovate with machine learning, artificial intelligence, genomics, and other emerging technologies to become unicorn people, applying skills by consulting with Fortune 500 companies including Walmart and TD Bank.</p>
Portfolio	<p>Personal Website https://retrocraft.ca</p> <p>#RisingYouth https://risingyouth.ca</p> <p>Volunteering Peel https://volunteeringpeel.org</p>

References

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