

# Michael Ge

michaelcqge@gmail.com | (438) 924-9075 | linkedin.com/in/michael--ge | [michcqge.github.io/portfolio/](https://michcqge.github.io/portfolio/)

## Education

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### University of British Columbia

September 2017 – May 2022

BSc Combined Major in Science – Computer Science & Environmental Science

## Work Experience

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### Full-Stack Software Developer

June 2022 – Present

UKG – Ultimate Kronos Group

Montreal, Canada

- Implemented enterprise-level workforce management solutions using **Java**, **TypeScript**, **Node.js**, and **PostgreSQL** as part of the Scheduling Core Team
- Developed the UI of new scheduling products using **AngularJS**, contributing to \$10 million in revenue
- Investigated backend API performance using an in-house testing framework. Identified and presented key issues to engineering leadership, then refactored classes, resulting in a 73% reduction in latency
- Collaborated with senior engineers to design and implement a customer-facing RESTful API, supporting batch jobs and partial success responses, enhancing system reliability and client satisfaction
- Developed **JUnit** and **Jasmine** tests, and **optimized** Jenkins CI/CD processes, increasing build success rates by 30%
- Mentored new hires and developed living documentation, improving the onboarding experience and enabling mentees to onboard twice as quickly as other interns
- Collaborated with Product Managers to deliver new California scheduling laws ahead of its launch
- Investigated customer and internal defects using **Splunk** and **Datadog**, and integrated patches into the customer environment

### Lifeguard and Instructor

October 2018 - May 2022

City of Vancouver

Vancouver, Canada

- Over 1000 hours teaching swimming lessons to students of all ages, from toddlers to adults

### Food Stall Founder and Operator

October 2018 - May 2020

Richmond Nightmarket

Richmond, Canada

- Founded a small food stall business that generated \$100 000 in revenue, hired, and managed 5 employees
- Gathered and analyzed market data to develop product market fit, specified quality control requirements and continuously experimented and tested products to improve customer experience
- Oversaw product quality and ranked in the Top 10 vendors as voted by visitors for 5 consecutive months

## Projects

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### Personal Website

- Implemented using Next.js, Tailwind CSS, deployed on Github pages

### Rerun Failed Test (Company hackathon)

- Integrated a button into a **TypeScript** testing framework that passes context to a TestNG **Jenkins** job, automating the rerun of failed integration tests and reducing manual regression checks

### Museums (3<sup>rd</sup> place NwHacks)

- Developed a React web app that allows users to view collectors' NFT art, market values, and captions using the Covalent blockchain API

## Skills

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- **Programming Languages:** Java, Typescript, HTML, CSS SQL
- **Frameworks:** AngularJS, React, Junit, Jasmine, Node.js
- **Tools:** Jenkins CI/CD, Git, Linux, Docker, Kubernetes, Splunk, Datadog, Postman
- **Languages:** English – Fluent, French – Working Proficiency, Mandarin Chinese – Basic