

# Stephen Hwang

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## Education

Bachelors of Computer Science, University of Waterloo

2017 - 2022

## Skills

- **Languages:** JavaScript, HTML, CSS/SCSS, SQL, Python, C, C++, C#, Java, Racket
- **Technologies:** Node.js, Express, React, jQuery, AEM, Redis, Kafka, JUnit, Selenium, Mocha/Chai
- **DevOps:** Git, Unix, Docker, Nomad, Github Actions, Jenkins, Kibana, JIRA, Azure DevOps

## Experience

Software Developer @ Thomson Reuters

Sept - Dec 2021

- Developed new API integration features using **C#** and **MVC** pattern to maintain code reuse and structure
- Integrated back-end logic with **SQL** efficiently using **ORM** models to couple database functionalities

Fullstack Engineer @ Manulife Financial

Jan - Apr 2021

- Created critical UI/UX features in **Adobe Experience Manager** to allow for greater flexibility in web content
- Updated **JUnit** and **Selenium** tests, increasing code coverage **~20%**, and to ensure seamless CI/CD

Jr. Software Developer @ Tucows Inc

May - Aug 2020

- Redesigned microservice to use **Redis**, reducing memory usage by **40%** and allowing for horizontal scaling of data store
- Created microservice using **Python** to consume and combine hundreds of **Kafka** messages from several topics concurrently
- Deployed several **Docker** images using customized **Nomad** jobs to deploy services and cron jobs

Fullstack Developer @ Kenna Technology Solutions Inc

Sept - Dec 2019

- Implemented single sign on service using **Passport**, **Node.js**, and **Express.js** greatly reducing users' time spent logging in
- Established first unit tests company-wide using **Mocha**, **Chai**, **Sinon**, and **Proxyquire** setting a new precedent going forward
- Developed complex **SQL** queries for very large data sets to filter and retrieve data within a timely manner

## Projects

Googit

Apr 2021

- Analyzed Gitlab repos using Gitlab API to show statistics on JavaScript library usage in an organization
- Integrated caching to improve common queries speeds by **70%** in **Node.js** backend
- Visualized metrics and repos using graphs and cards respectively using **React.js**

## Interests & Hobbies

- Hiking, Snowboarding, Badminton, Cooking, Board Games