Stephen Hwang

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Education

Bachelors of Computer Science, University of Waterloo   2017 - 2022

Skills

- **Languages:** JavaScript, HTML, CSS, SQL/MSSQL, Python, C, C++, Java
- **Technologies:** Node.js, Express, jQuery, AEM, Git, Unix, Docker, Redis, Nomad, Kafka, Github Actions

Experience

Jr. Software Developer @ Tucows   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
- Refactored slack bot to alert for changes to critical settings, making potential system changes visible to the team and management

Fullstack Developer @ Kenna Communications   Sept - Dec 2019

- Developed web applications for Fortune Global 200 client, with focus on speed and scalability
- 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
- Created 100+ BDD unit tests that runs in less than 300ms to increase developer productivity and ensure stability of releases

Software Developer @ Kenna Communications   Jan - Apr 2019

- Completely redesigned CMS application using CSS, HTML, and jQuery while ensuring responsiveness
- Developed complex SQL queries for very large data sets to filter and retrieve data within a timely manner
- Created SQL procedures to update/post/merge large amounts of data to sync with legacy systems

Projects

York University Badminton Club Website   Jan 2020

- Commissioned to make sleek and cost-effective club website for the York University Badminton Club
- Designed with a focus on responsiveness, and ease of use to deliver information quickly and effectively
- Utilized Markdown editor library to allow admins to edit page contents without knowledge of HTML/CSS

Interests & Hobbies

- Hiking, Snowboarding, Badminton, Cooking, Board Games