

JASON KIM

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EDUCATION

UNIVERSITY OF WATERLOO

Waterloo, ON | Sept. 2015 - Apr. 2020

Mechatronics Engineering B.A.Sc

SKILLS

- LANGUAGES** C/C++, JavaScript (ES6), Java, Python, HTML5 & CSS3
- FULL-STACK** React.js, Redux, Spring, Meteor.js, Kafka, GraphQL, Webpack, RESTful API, Swagger, Google Apps Engine
- TECHNOLOGIES** Git, Docker, Atlassian Tools, AWS, Microsoft Cognitive Services, Elasticsearch, Logstash, Heroku, Jenkins
- TESTING** Jest, JUnit, Spring Test, Mockito, TestLink

EXPERIENCE



ECOBEE | FULL-STACK DEVELOPER

Toronto, ON | Jan. 2018 - Apr. 2018

Admin portal team developing the new customer support tool used for troubleshooting the newest ecobee product line: the Lightswitch+. 70+ customer support representatives currently rely on this tool.

- Continued the development of custom internal library for UI components using **Storybook**, built with **React.js** and **Redux** currently being used by 15+ developers
- Refactored the legacy front-end codebase to increase unit test coverage by 43% using **React.js** and **Jest**
- Implemented metrics monitoring system via **JMX**, **Prometheus**, and **Grafana** as part of containerized services with **Docker**
- Created endpoints and OAuth pipelines between internal services & **AWS S3** buckets via custom signed URLs using **Kafka**, **Spring**, and **Kotlin**; handling 500+ daily requests



CHEFHERO | FULL-STACK DEVELOPER

Toronto, ON | May 2017 - Aug. 2017

Product team developing the company's core product

- Designed and developed an interactive customer sign-up page in **React.js** & **Redux** from scratch, reducing customer onboarding process by 67%
- Created and modified necessary **Python** API endpoints to provide a 26% faster front-end to back-end communication
- Refactored the company website UI using **React.js** by minifying and componentizing a **Jinja** based legacy codebase
- Integrated analytics architecture using **Google Analytics**, and a live **Intercom** chatbot to provide interactive user feedback



ROGUE WAVE SOFTWARE | AUTOMATION DEVELOPER

Kanata, ON | Sept. 2016 - Dec. 2016

Core team developing the main functionality of Klocwork, a static code analysis tool for IDEs

- Optimized the automation test architecture written in **C++** and **Python** to reduce test suite execution time by 23%
- Developed a test failure per-build comparison tool using **TestLink API**, currently in use by 20+ employees

PROJECTS

- GRAPHQL API** Internal hackathon project refactoring legacy RESTful API into GraphQL queries and mutations (GraphQL)
- EMOTIONTUNES** A web app that generates music based on emotion detected (React, Material UI, Emotion API)
- #OOTC** A web app that shows celebrity outfits with a customizable header of brand logos as search filters (React, Meteor.js)
- MEMORYBOUND** A calendar app with personal log-in credentials and reminder feature (Java)