

network

# Kyle Jang

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## EDUCATION

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### University of Toronto

*HBSc in Computer Science, Minor in Statistics*

Toronto, ON

*Sep. 2017 – Apr. 2022*

## EXPERIENCE

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### Software Engineer

*Capital One*

July 2022 – Present

*Toronto, ON*

- Optimized and refactored Java Spring Boot micro-services running in EC2 instances that are responsible for the creation of hundreds of thousands of credit cards
- Migrated Java Spring Boot micro-services from EC2 to Lambda, reducing cost by hundreds of dollars per month
- Implemented a parquet file parser and integrated it into a Lambda, resulting in the successful processing of thousands of customer records
- Developed Cucumber ATDDs for Java Spring Boot micro-services that decreased testing effort by 50%

### Software Engineering Intern

*Capital One*

May 2021 – Aug. 2021

*Toronto, ON*

- Developed a self-service portal with Node.js and React.js to simplify the process of creating test accounts, resulting in a 40% increase in team efficiency
- Built a cloud infrastructure for the self-service portal with AWS EC2 and Elastic Load Balancing
- Created a CI/CD pipeline for the self-service portal using Jenkins and Docker

### Software Developer in Test

*Caseware International Inc.*

May 2020 – Apr. 2021

*Toronto, ON*

- Developed Python scripts that automated the creation of test files, reducing the time needed for test data preparation from hours to minutes
- Developed JavaScript and JMeter scripts to carry out load testing for API endpoints which helped identify major performance issues
- Created Java scripts that automated UI testing that cut testing time down by 60%

## PROJECTS

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### Workout Journal

May 2020 – Dec. 2020

- Developed a workout journal app using Node.js, React Native, and local MongoDB that lets users log their workouts and track their progress
- Features include an add workout function, a rest timer, and a chart to track progress

### Online Assessment Platform

Jan. 2020 – Apr. 2020

- Created an online assessment platform using Node.js, React.js, and MongoDB that allows teachers to gauge their students' participation and material comprehension
- Features include a course manager, an attendance tracker, and a quiz maker
- Worked in a team of seven using Git and followed Scrum procedures

## TECHNICAL SKILLS

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**Languages:** Java, Python, JavaScript, HTML, CSS, SQL

**Frameworks:** React Native, RESTful, React.js

**Technologies:** MySQL, MongoDB, Git, Jira, Eclipse, Node.js, AWS (EC2, Elastic Load Balancer, Lambda), Jenkins, Docker