

# 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*

- Created a **Java Spring Boot** service leveraging **AWS Lambda** to automate the card manufacturer activity verification process, significantly reducing verification effort **from 8 hours to 15 minutes**
- Developed a validator service using **Java Spring Boot** and **AWS Fargate** to compare PDFs created by two different applications, resulting in improved validation processes and reinforced data integrity with a **91% accuracy rate**
- Designed a Card Tracker API using **Java Spring Boot**, **AWS Lambda**, and **DynamoDB**, empowering **over 100k** customers to effortlessly track their card's status en route and resulting in a **71% increase** in mobile app engagement.
- Engineered an orchestration service using **Python**, **AWS Step Functions**, and **AWS Lambda**, resulting in a **83% efficiency improvement** for the Canada Embossing system

### Software Engineering Intern

*Capital One*

May 2021 – Aug. 2021

*Toronto, ON*

- Led the development of a user-friendly self-service portal using Node.js and React.js, streamlining the test account creation process and increasing team efficiency
- Utilized EC2 and Elastic Load Balancing to build a scalable and highly available cloud infrastructure for the self-service portal

### 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

## TECHNICAL SKILLS

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

**Frameworks:** React Native, RESTful, React.js, Java Spring Boot

**Technologies:** MySQL, MongoDB, Git, Jira, IntelliJ, Node.js, AWS (EC2, Fargate, Lambda), Jenkins, Docker