Kyle Jang

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EDUCATION

University of Toronto Toronto, ON
HBSc in Computer Science, Minor in Statistics *Sep. 2017 – Apr. 2022*

EXPERIENCE

Software Engineer July 2022 – Present
Capital One *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 May 2021 – Aug. 2021
Capital One *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 May 2020 – Apr. 2021
Caseware International Inc. *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

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

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