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*
- Refactored Java Spring Boot micro-services running in EC2 instances, leading to a more efficient creation of hundreds of thousands of credit cards.
- Migrated the micro-services from EC2 to Lambda, reducing the monthly cost by hundreds of dollars while maintaining the same level of service
- Implemented a parquet file parser that was integrated into Lambda, allowing for the processing of thousands of customer records
- Developed Cucumber ATDDs for Java Spring Boot micro-services, improving the efficiency of software testing by 50%

Software Engineering Intern   May 2021 – Aug. 2021
Capital One   *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
- Created a CI/CD pipeline for the self-service portal using Jenkins and Docker, enabling the team to release new features and bug fixes rapidly

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