

Samuel On

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Skills

Languages: Java, TypeScript, JavaScript, Python, HTML5, CSS

Technology: React, Spring Boot, MySQL, Node.js, AWS S3, Git, Docker, AWS Certified Cloud Practitioner, Tailwind

Courses: Spring Boot 3, Tailwind, AWS CCP

Education

York University – Bachelor of Software Engineering Honors Sp. Computer Security

2021

School Courses: Written all in Java, Object Oriented Programming, Operating Systems, Data Structures

Experience

Application Developer, Bank of Montreal – Toronto, ON

Jul 2022 – Dec 2023

Technology: React Native, React, Node.js, DynamoDB, Python, AWS Console, Enterprise Github

- Engineered and deployed a scalable banking application with 9 distinct use cases, leveraging React Native and DynamoDB, resulting in enhanced customer satisfaction and streamlined operational workflows.
- Collaborated to develop a BMO Component Storybook in React that included pagination, hero, and buttons...
- Redesigned a B2B React application using Material-UI (MUI), based on a Figma design that improved functionality and implemented auto-complete features for forms.
- Automated dependency management processes by developing a Python-based solution to identify and update outdated libraries across APIs, reducing manual intervention by 30% and improving security compliance.
- Led a cross-functional Proof of Concept (POC) to integrate AWS DevOps Guru for real-time performance monitoring and optimization, providing actionable documentation and transferring operational ownership to a dedicated team.

Full-Stack Engineer Intern, VerticalScope Inc. – Toronto, ON

Jan 2022 – May 2022

Technology: Spring Boot, Docker, Spinnaker, PHP, WordPress, GitHub Actions, GCloud

- Developed and automated a dev-environment clean-up script utilizing Docker, Spinnaker, Jenkins, and Kubernetes, reducing manual intervention by 40% and saving over 30'000 CAD monthly.
- Maintained APIs in Spring Boot for several E-commerce sites.
- Streamlined the deployment process for multiple web applications by leveraging Docker and GitHub Actions, achieving faster release cycles and enhanced deployment reliability.
- Resolved SQL, plugin, and frontend bugs, addressing user-reported issues and improving system stability with little to no supervision.

System Engineer Intern, Kapsch TrafficCom – Mississauga, ON

Jan 2019 – Sept 2019

- Developed and deployed an automation script to analyze and structure data for image recognition, reducing manual inspection time by over 70% and improving operational efficiency for the Sub-System Design Team.
- Developed Quality Test Engineering Reports including metrics, use cases, diagrams, and technical sections.
- Collaborated with interdisciplinary engineering teams to support the design, development, and testing of open road tolling systems, contributing to the successful implementation of scalable, high-performance solutions.

Projects

Automated Social Media Manager (*Next.js*)

- Utilizes the ChatGPT API to generate customized prompts based on your image styles.
- Hooks into the Meta Suite with OAuth 2.0 to perform scheduled postings.

Interests – Golf • Snowboarding • Travel • Fitness • Photography