Rick Lan

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WORK EXPERIENCE

Amazon   Toronto, ON
FEE-1 (AWS Quicksight)   December 2022 - Present
- Developed reusable components using **React** combined with **Typescript** and **Material-UI** to enhance AWS QuickSight's frontend
- Refactored codebase and removed unused legacy code to decrease webpage load time by 3%
- Increased code coverage by 10% by writing unit tests using **Jest** and **React Testing Library**

SDE-1 (Supply Chain)   June 2022 - December 2022
- Spearheaded the development of a major feature that ensures 25% more Amazon vendors are paid on time using **SpringBoot**, **React** combined with **Typescript**, **AWS DynamoDB** and **AWS S3**
- Took the initiative to author an oncall runbook that helped new employees start oncall 1 month early and reduced triage time of common issues by 90%
- Increased code coverage by 5% by writing unit tests using **Junit** and **Mockito**
- Onboarded 2 colleagues and helped them get familiar with the product and codebase quickly

University of Toronto   Toronto, ON
Teaching Assistant (Introduction to Databases and Web Applications)   January 2022 - April 2022
- Educated over 50% of the class on **HTML, JavaScript, CSS, Flask, SQL, web development** and **Git**
- Published supplemental lecture notes and videos, helping students understand concepts better
- Increased student satisfaction by 30% by quickly and thoroughly answering questions on a course discussion board
- Pioneered the usage of **cloud platforms** by getting students to deploy their final project on **Heroku**

Public Services and Procurement Canada   Toronto, ON
Fullstack Web Developer   May 2021 - December 2021
- Designed and engineered a financial reporting template using **Vue**, **Laravel**, and **Microsoft SQL Server** achieving a 75% reduction in submission time for clients
- Improved API response time by 5% by refactoring the codebase to make it more readable, modular and efficient
- Reduced onboarding time for new interns by 25% by spearheading the initiative to update my team's internal documentation, authoring a **Git** guide and educating them on **web development** and **SQL**

TD Canada Trust   Toronto, ON
L2 IT Analyst   May 2019 - January 2020
- Worked in a fast paced environment to provide support for web applications run on **Unix** servers
- Increased my team's productivity by over 75% by implementing a **Python** library to automate labour intensive tasks

SKILLS

Languages: Python, Java, PHP, HTML, JavaScript, TypeScript, CSS
Frameworks/Libraries: Flask, React, Vue, Node.JS, Express, Laravel, SpringBoot
Databases: PostgreSQL, Microsoft SQL Server, MongoDB, AWS DynamoDB, Redis
Testing Tools: Pytest, Junit, Mockito, Jest, React Testing Library
Developer Tools: AWS, Git, Github Actions, Heroku, Jira, Postman, Unix

EDUCATION

University of Toronto   September 2017 - April 2022
- Specializing in Software Engineering