Lichen Ma

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Skills

Technologies / Spring, NodeJS, Express, AngularJS, React, Android Studio, Git **Languages** / Java, JavaScript (ES6), C, C++, Python, SQL, Kotlin, HTML5, CSS3

Experience

Incoming Back-End Developer Intersect

Sept - Dec 2019

Toronto, ON

Full-Stack Developer HubHead

Jan - Apr 2019

Java, Spring, AngularJS, PostgreSQL, Groovy, Git, MVEL

Markham, ON

- Developed the full-stack implementation for a duplicate workflow detection service on a cloud based multi-user application, eliminating back-end errors resulting from user input overlap
- Added client-side and server-side data validations for an Asset Management web service using MVEL and SQL, ensuring compliance with SAP masterdata standards
- Designed a SQL optimization job using Obsidian Job Scheduler, periodically removing unused database entries and reducing process list load times by 20%

Wireless LAN Engineer Extreme Networks

Apr - Aug 2018

JavaScript, Postman, Newman, Bash, SwaggerIO

Markham, ON

- Automated REST API regression testing by creating Postman workflows to generate requests and JavaScript Assertions to perform validations, shortening the verification process by 60%
- Managed the verification process for all user profile API endpoints, eliminating back-end vulnerabilities resulting from improper server-side validations

Software Engineer *Toronto Water*

Sept - Dec 2017

Python, NumPy, pandas, Microsoft SQL Server

Toronto, ON

- Automated the generation of Asset data analytics using Python for data preprocessing and analysis, shortening the asset report generation process by 80%
- Developed and maintained a database of company assets using Microsoft SQL Server, streamlining the data retrieval process and saving the server team 10 hours / week

DevOps Engineer Toronto Water

Jan - Apr 2017

TCP/IP, Routing/Switching, Cisco CLI

Toronto, ON

 Architected a network design including IP addressing and security architecture to provide network access to Power Distribution Units located in the company's datacenter

Projects

10Minutes - Android Kotlin Application

Kotlin, Android Studio, Java

- Developed a countdown timer application designed to control user phone usage inspired by the 10 minute-delay rule in The Willpower Instinct
- Designed the application implementation featuring preference utility streak counters, background functionality driven by intents and broadcast receivers, and push notification support using Notification Utilities

Education

Candidate for Bachelor of Applied Science in Computer Engineering University of Waterloo