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

Sept - Dec 2019

Intersect

Full-Stack Developer

Jan - Apr 2019

HubHead

- Developed the fullstack implementation of a duplicate workflow detection service for a cloud based multi-user application using Spring, AngularJS, and PostgreSQL
- o Added client-side and server-side data validations for an Asset Management web service using MVEL and SQL, complying with enterprise-level data standards
- o Optimized user accounts workflow data structure to display crucial client data and populate internal Bonita BPM application for user account administration, adopted throughout the organization
- 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

Apr - Aug 2018

Extreme Networks

- Automated REST API regression testing by creating Postman workflows to generate requests and JavaScript Assertions to perform validations, shortened verification process by 60%
- Managed the verification process for all user profile API endpoints using Testlink, meeting Corporate-level API standards

DevOps Engineer

Jan - Apr 2017 Sept - Dec 2017

Toronto Water

- o Automated the generation of Asset data analytics using Python for data preprocessing and analysis, shortened asset report generation process by 80%
- Architected a network design including IP addressing and security architecture to provide network access to Power Distribution Units located in the company's datacenter
- Collaborated with the native application team to present a desktop virtualization system, successfully transitioning all Toronto-wide plants to the new system technology

Projects

Javalon - Spring Web Service Board Game

- o Developed a real-time web service interpretation of the card-based board game "The Resistance: Avalon"
- o Designed the fullstack application implementation featuring user authentication, game-rooms, and real-time game synchronization across devices using WebSockets, Spring, AngularJS, and H2

Worldly Goods - NodeJS Web Service

- o Developed a web application for recording and analyzing user monetary transactions to determine net worth
- o Built the front-end infrastructure using React and integrated connections to the MongoDB database and NodeJS back-end using Express, and Axios

Education