Daniel Li
danielsqli.com
Candidate for a Bachelors of Computer Science, Co-op

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WORK EXPERIENCE

Software Engineer at Opentext Corporation
May - August 2021

Core Case Management

- Developed features for the backend and frontend teams for the Case Management Project at Opentext that were part of the latest release build.
- Wrote REST API's using Java Springboot that connected to a Postgres database
- Used React to create new pages for the frontend, using React Redux to manage state
- Took leadership of an API automation task and created automated tests using JBehave and RestAssusred to accelerate the deployment of public APIs

Full Stack Developer at SS&C Technologies
May - August 2020

Server Inventorying Tool

- Developed a server inventorying tool that scans cloud servers for VM instances and records all installed packages and executables.
- Stored gathered data in a GraphQL database using MongoDB, and created queries and mutations to fetch data using REST API calls from an Express server.
- Displayed all data on a web app created with React and Relay, and deployed tool onto company cloud using Docker containers to setup environment.
- Tool made callable using an Ansible playbook.

Developer Portal

- Worked on Developer Portal, a portal used by companies to retrieve APIs they created.
- Created new pages on the site using Angular and Bootstrap to manage different resources
- Abstracted Java Springboot backend to not be reliant on Kong, and allow client choice of API management service
- Created new REST endpoints to store and retrieve resource configurations on a PostgreSQL database, secured with Keycloak

PROJECTS

Flower Identification Android App
https://github.com/danielsqli/flower-id

- Created an app in team of 2 that identifies flower species from a taken picture.
- Used TensorFlow and Keras to create a Convolutional Neural Network and optimized it with the help of visualisation using MatPlotLib.
- Developed app with React Native, and deployed to Play Store

TECHNICAL SKILLS

Languages	C, C++, Python, Racket, Java, HTML/CSS, Javascript, LaTeX
Frameworks and Tools	React.js, React Native, TensorFlow, Keras, MatPlotLib, Git

EDUCATION

University of Waterloo (Waterloo, Ontario)
September 2019 – Present

3A Term – Candidate for Bachelors of Computer Science