JASON KWOK

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EXPERIENCE

NEXTROLL (ADROLL)
Ads Platform
San Francisco, California
May 2019 - Aug 2019

SOFTWARE ENGINEER
- Developed an ad management platform in a RTB pipeline for over **37000 customers** using **Flask and AWS EC2/ECS**
- Developed AdRoll's shared UI component library for host apps to add a LinkedIn ad support feature using **React/Redux**
- Implemented **Datadog** monitoring system for syncing Micro-services using a **Redis Queue** that reports **>1 million tasks/day**
- Managed end-to-end deployment and testing of new features using **Jenkins, Docker, Jasmine and PyTests**

IBM
Watson Financial Services
Toronto, Ontario
Sept 2018 - Dec 2018

SOFTWARE DEVELOPER
- Created new multi-threaded data pipelines to efficiently process and manage large legal documents using **Spring and AWS COS**
- Developed shared UI components for the Watson Regulatory Compliance web application using **React/Redux**
- Maintained software quality through writing integration and unit tests using **Travis CL, Mocha, Mocikto, Jasmine, and JUnit**

TULIP RETAIL
CRM Applications
Toronto, Ontario
Jan 2018 - Apr 2018

FULL-STACK DEVELOPER
- Developed messaging features in Tulip's CRM platform that allowed store associates to send/receive text messages using Twillio, **PHP and Docker**
- Created UI web views to help retailers manage their customers in the Tulip Mobile App using **HTML/CSS and JavaScript**
- Redesigned a search engine to improve efficiency and relevancy for finding a store's associate or customer using **Solr**

JAN KELLEY INCUBATOR
Prototype Development
Kitchener, Ontario
May 2017 - Aug 2017

APPLICATIONS DEVELOPER
- Prototyped web application tools that aimed to solve common problems in business using **Laravel and JavaScript**

TECHNOLOGIES

LANGUAGES

C, C++, Java, Python, JavaScript, PHP, SQL, Ruby, Assembly, VHDL

FRAMEWORKS

React/Redux, Spring, Flask, Solr, Mocha, Jasmine, Mockito, JUnit

TOOLS

Git, Docker, NPM, Jenkins, AWS, Bluemix, Redis, DataDog

PROJECTS

HACK WEEK - ADROLL
July 2019

Data pipeline prototype for ad statistics that processed **Parquet** files to **Apache Spark** which was queried by **GraphQL** and displayed in **React**

FILE COMPRESSION
July 2017 - Aug 2017

Light-weight lose-less file compression program using **Ruby,** which encodes and decodes text files using LZ77 algorithm

EDUCATION

UNIVERSITY OF WATERLOO
Sep 2016 - May 2021

CANDIDATE FOR B.A.Sc. IN COMPUTER ENGINEERING
Courses: Operating Systems, Database Systems, Computer Networks