Jayden Arquelada

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LinkedIn: /jayquelada

Programming and Tools

Knowledgeable
JavaScript (React, React Native, Node.js & Express.js), Python, SQL (MySQL), Docker, Git, JIRA, Confluence

Intermediate
C, Java, Android, Caching (Redis), NoSQL (MongoDB), Cloud Computing

Basic Understanding
Kubernetes, Dart (Flutter), Angular (Ionic)

Skills

Microservice Architecture

RESTful Design

Object Oriented Design

Agile (Scrum) Methodology

Ability to learn quickly

Keen eye for detail

Strong collaboration and communication skills

Prepared to work in a fast-paced atmosphere

Education

University of Toronto
Honours Bachelor of Science, Computer Science

Graduated June 2020

CGPA of 3.79/4.00

Experience

Teaching Assistant   Fall 2018 & 2019, January 2020 - Present
University of Toronto –
Operating Systems (CSCC69) & Introduction To Computer Science (CSCA08)
- Help students understand OS concepts such as synchronization and user programs, through the operating system framework Pintos
- Guided students through Computer Science fundamentals such as data types, control flow, sorting, and time complexity

Co-op Software Engineer   May 2019 – August 2019
Architech
- Worked on a conversational project using Google Dialogflow, Google Actions, Firebase (Cloud Firestore & Cloud Functions), and Node.js
- Researched platforms and tools, including cross platform mobile development (Flutter, React Native, & Ionic), as well as Docker and Kubernetes, preparing applications and technical papers for the company
- Developed and demoed a machine learning proof of concept (scikit-learn and SciPy) to predict the most efficient configuration of a production line

Co-op Automation Developer   September 2017 – April 2018
Fleet Complete
- Automated and executed front end Android, iOS, web and unit tests, using automation frameworks such as Xamarin UI test and Selenium, reducing the amount of manual testing required before releases
- Developed integration tests for API end points, ensuring new deployments did not break existing API's, and broken end points could be easily found

Projects

Code-llaborate - https://github.com/datrueonejay/code-llaborate
- Worked within a team of 3 to help develop a web application that allows users to collectively edit, view, and run python 2 code
- Used technologies and protocols such as React, Node.js, MySQL, WebSocket for development, and Docker and AWS for deployment

Reports Workbench - https://github.com/datrueonejay/ReportsWorkbench
- Worked with Java, Node.js, and MongoDB to help develop an application for school that parses excel files, uploads data, and generates reports
- Communicated with clients ensuring the product matched expectations
- Selected as one of the top 6 out of 28 teams to demo for the clients

Notable Coursework

- Algorithm Design and Analysis
- Engineering Large Software Systems
- Computer and Network Security
- Operating Systems
- Programming on the Web
- Artificial Intelligence

datrueonejay committed on June 29, 2020