

Jackson Situ

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Summary

- Aspiring software developer with a passion for technology and solving problems with code
- Full stack experience using Nodejs/Express, Spring Boot, MySQL, MongoDB, React/Vuejs/JQuery, HTML, CSS
- Experienced in mobile development using React Native and Java/Android SDK, recently learning iOS, Swift
- Extensive experience in collaborative environments through work, course projects, e-sports, high school sports, volunteer work
- Proficient in: Javascript, Python, Java, C++, SQL, NoSQL, Git, CSS, Selenium, Pandas
- Familiar in: Data Analytics, Visualization, Machine Learning, Keras, scikit-learn

Experience

PerfectMind

Burnaby, BC

QA ANALYST

Jan. 2020 - Aug. 2020

- Developed a chrome extension to improve efficiency and accessibility on automation platform using custom multiprocessing python scraper, Javascript, Vuejs, HTML, CSS for Popup pages/DOM Injection/Manipulation, Google Spreadsheets API as database
- Developed API to store transaction records from third party automation platform to verify general ledger data via local stored procedure, helped find >50 defects, Nodejs, AWS Lambda, API Gateway, DynamoDB
- Planned and automated >80 new test cases spanning all modules of product, helping reduce regression testing phase duration from 3 weeks to 1 week, Testsigma, Java, Selenium
- Performed manual smoke, regression, feature, integration and security testing, creating >100 defect tickets on Jira

Projects

Herald - A Check In App

July - Present

- Designed and built a cross platform mobile application for groups to easily share and monitor wellness of all members
- Utilized Firebase for authentication and database subscriptions to update React Native client in real time
- Integrated push notifications sent via GCP scheduled cloud function

Cradlerest System (CMPT 373 Course Proj.)

Sept. 2019 - Nov. 2019

- Created a patient management web + android app for non-profit client using self taught technologies: Spring Boot, Vuejs, Android
- Implemented endpoints and auth using Java, Spring Boot, MySQL, Spring Security with emphasis on exception and error handling for user friendly consumption
- Implemented referral feature using Twilio SMS API for offline communication between mobile and web clients
- Built CRUD and usage/logs admin pages using Vuejs, Vuetify, HTML, CSS, local caching
- Wrote API tests to verify merge requests do not break code

Learn with Sudoku Android App (CMPT 276 Course Proj.)

Jan. 2019 - Apr. 2019

- Created an Android (Java) app to help users learn languages via games Sudoku, flashcards
- Implemented key features such as game menu screen, settings, importing and parsing csv files, Sudoku game logic, text-to-speech and speech-to-text quiz game, support for variable screen size and orientation compatibility, social sharing
- Generated automated unit tests with >90% code coverage for models using JUnit

Forum Tracker Web App

Jun. 2018 - Aug. 2018

- Created a single page CRUD web application to provide real time feed of scraped newest posts, reducing personal time spent on website to almost zero
- Developed from scratch using Nodejs, Express, MongoDB, WebSockets, JQuery, Bootstrap, HTML, CSS
- Utilized noSQL MongoDB database to store scraped thread data, saved threads, keywords for keyword matching
- Implemented SMS and email notifications using Twilio and Nodemailer

Education

Simon Fraser University

Burnaby, BC

BACHELORS OF APPLIED SCIENCE, COMPUTING SCIENCE

Sept. 2018 - Present

Langara College

Vancouver, BC

ASSOCIATES OF SCIENCE, COMPUTER SCIENCE

Sept. 2016 - Aug. 2018