

ALVIN NG

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SOFTWARE PROFICIENCY

Languages: Python • Java • TypeScript / Javascript • SQL

Libraries / Frameworks: Git • React • Selenium • Cypress

WORK EXPERIENCE

Developer, QA

August 2020 - January 2024

Indigo Books and Music

- Maintained automation framework for Indigo site using **Java**
- Automated testing on Android and iOS using **Javascript** and **Appium**
- Collaborated with core services team to test and relaunch Indigo web post cyber security incident
- Designed and executed end-to-end testing cycles for web and mobile platforms on **Zephyr Scale**

Embedded Test Developer

September 2019 - December 2019

ecobee Inc.

- Wrote software automation to test ecobee products using **Selenium** with **Python**
- Implemented internal QA web app features with fellow developer using **TypeScript** with **React**
- Spearheaded testing roadmap for ecobee Smart Camera firmware to meet release deadlines

Software Test Engineering

January 2019 - April 2019

Ultimate Software

- Maintained pipelines on **TeamCity** to automate testing procedures for continuous integration
- Wrote automated software tests for the internal platform using **Cypress** and **TypeScript**
- Added support to select local or cloud storage to improve testing on mocked **SwiftStack** client

QA Engineering

May 2018 - August 2018

Taplytics

- Created and executed automated software test plans using **Selenium** with **Ruby**
- Designed and implemented a custom test app using **React Native** on iOS and Android
- Completed end-to-end testing for mobile and server side SDKs
- Defined and maintained testing procedures with **REST API** services

Software QA

September 2017 - December 2017

AlertDriving

- Created and executed automation testing on JMeter that improved web services for over 5000 users
- Managed numerous test suites on TestRail to organize team workflow
- Logged bugs and delegated outstanding tasks on **JIRA** with the software team

Projects

Discover @ <https://github.com/itisalvinn/Discover>

- Web app built with **React**
- Leverages the Spotify API to help users discover new music based on their mood

Good Morning @ <https://github.com/itisalvinn/goodmorning>

- Simple web scraper built with **Python**
- Retrieves ticker data with major shifts on Finviz and writes it into Excel
- Implemented analytics to summarize high gain industries over set time period

Education

Bachelor of Applied Science, Computer Engineering
University of Waterloo

Sept 2014 - May 2020