

# **SKILLS**

Languages Frameworks Java, JavaScript, Python, Kotlin, TypeScript, Bash, SQL, Golang, Redis

 $Spring\ Boot,\ React/Redux,\ VueJS/Vuex,\ NodeJS,\ Spring,\ JUnit,\ Jest,\ Wiremock,\ JQuery$ 

**Tools** | git, docker, SVN, nix

### WORK EXPERIENCE

## **Software Engineer Intern**

May 2020 – Aug 2020 Toronto, ON

Capital One

• Implemented new features in application for service agents written in VueJS/Vuex front end

- Performed Accessibility testing on web application, and documented/fixed issues
- Created new endpoints in RESTful NodeJS API serving data to front-end
- Wrote Unit Tests with Mocha and Jest, maintaining 100% code coverage

## **Software Engineer Intern**

Capital One

May 2019 – Aug 2019 Toronto, ON

- Upgraded RESTful API from Spring 4 to Spring Boot 2, improving code maintainablility and currency
- Added performance increasing modifications such to object pooling for encryption/decryption classes
- Created unit and integration tests using Wiremock, H2 DB, and Mockito, getting 100% code coverage
- · Maintained existing tools like ATDD test suite with Cucumber

### Front End Developer Intern

Ross Video

Sept 2018 - Dec 2018

Ottawa, ON

- Implement new features in Javascript/Jquery application such as video players and login groups
- Added UX features for touchpad devices

# Software Test Engineer Intern

Gemalto

May 2018 – Aug 2018

Ottawa, ON

- Wrote performance testing scripts using python and java to automate retrieval of data (xml, csv)
- Used SQLAlchemy ORM to efficiently query and filter from data set with 20,000+ rows
- · Created a web app using JQuery to run and display comparisons between data sets, improving usability

### **Teaching Assistant**

Carleton University

Sept 2017 - Dec 2019

Ottawa, ON

- Helped students understand bugs with their code by running through their code with them
- Explained to students various design patterns and data structures/algorithms in Java/Python

## **PROJECTS**

#### kimosabe

#### Spring Boot, React/Redux, PostgreSQL, Redis/RediSearch

- · Social application for finding buddies to play games with, similar to forum style
- Uses IGDB API cached in Redis, and RediSearch for searching for games
- Ability for users to join/create/moderate groups, add friends, post in subgroups.

#### fserv

#### Golang, PostgreSQL

- Go app w/ imgur style file name shortening used for self hosting images/files
- Serves simple, light HTML website with JWT Authentication

#### **Matrix Calculator**

## React, Redux, TypeScript

- React SPA that performs matrix operations such as RREF, Transpose, Multiply
- Uses math is for experimental symbolic algebra support

# **EDUCATION**

**Carleton University** 

Sept 2016 – Dec 2020 Ottawa, ON