Rui Zhu

ciguatera.z.rui@gmail.ca | zrui.dev

SKILLS

Languages	Java, JavaScript, Python, Kotlin, TypeScript, Bash, SQL, Golang, Redis
Frameworks	Spring Boot, React/Redux, VueJS/Vuex, NodeJS, Spring, JUnit, Jest, Wiremock, JQuery
Tools	git, docker, Maven, SVN, nix, AWS

WORK EXPERIENCE

Associate Software Engineer
Capital One

Jan 2021 – Present
Toronto, ON

- Managed AWS Infrastructure using terraform
- Implemented new features in React/Gatsby site servicing up to 10000 unique visitors a week
- Wrote cypress, rtl, and enzyme tests, maintaining 100% code coverage
- Worked in scrum team performing spikes on release strategies and infrastructure decisions

Software Engineer Intern
Capital One

May 2020 – Aug 2020
Toronto, ON

- Implemented new user workflows in VueJS/Vuex SPA
- Performed Accessibility testing on web application, and documented/fixed issues
- Created new endpoints in RESTful NodeJS APIs that were consumed by front end
- Worked in scrum team implementing new features in application used by customer agents

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 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
- Wrote meaningful Unit Tests with Mocha and Jest, maintaining 100% code coverage

Front End Developer Intern
Ross Video

Sept 2018 – Dec 2018
Ottawa, ON

- Worked on SaaS webapp servicing major news stations/stadiums in North America
- Implemented 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

PROJECTS

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

- Created Social application for finding buddies to play games with, similar to a forum
- Used IGDB API cached in Redis and RediSearch for searching of games
- Implemented features in Spring Boot API and React Front end
- Orchestrated test pipeline using drone CI/CD

fserv
Golang, PostgreSQL

- Created Go app w/ imgur style file name shortening used for self hosting images/files
- Wrote web server that served simple, light HTML website with JWT Authentication
- Added features for account management and sharable files

EDUCATION

Carleton University
B. Computer Science, 10.7/12 CGPA (3.8/4.0)

Sept 2016 – Dec 2020
Ottawa, ON