Rui Zhu

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SKILLS

Languages	Java, JavaScript, Kotlin, Typescript, Python, Bash, Golang, SQL, Redis
Frameworks	Spring Boot, Micronaut, React/Redux, Svelte, VueJS/Vuex, NodeJS, Spring, JUnit, Jest, JQuery
Tools	git, docker, maven, nix, aws

WORK EXPERIENCE

Jr Software Developer — May 2022 – Present
Deliverr (Acquired by Shopify) — *Remote*
- Wrote design docs for API and database changes, while helping estimate and create tasks for work
- Created datadog dashboards/alerts to monitor systems, which lowered FRT from 1+ days to minutes
- Maintained serverless ecosystem of typescript lambdas interacting with S3, SQS, Cognito Userpool
- Wrote design docs for API and database changes, while helping estimate and create tasks for upcoming work
- Helped with onboarding of new team mates to tech stack

Associate Software Engineer — Jan 2021 – April 2022
Capital One — *Toronto, ON*
- Implemented new content/components for Gatsby React site servicing 15000+ unique visitors/week
- Used terraform to manage security groups and IAM roles
- Wrote cypress, rtl, and enzyme tests while maintaining 100% code coverage
- Created new internal dev environment using golang lambda as file server to serve content from s3
- Integrated live API data into site, improving response time of product changes by 30 minutes
- Participated in agile development practices to effectively manage tasks
- Optimized AWS cloudfront infrastructure to increase resiliency through cloudfront origin failover

Software Engineer Intern — May 2020 – Aug 2020
Capital One — *Toronto, ON*
- Implemented new user workflows in VueJS/Vuex SPA used by customer agents
- Created new endpoints and business logic in RESTful NodeJS APIs that were consumed by front end
- Performed Accessibility testing on web application, and documented/fixed issues

Software Engineer Intern — May 2019 – Aug 2019
Capital One — *Toronto, ON*
- Upgraded RESTful API from Spring 4 to Spring Boot 2, improving code maintainablility and security
- 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

Front End Developer Intern — Sept 2018 – Dec 2018
Ross Video — *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 improvements for touchpad devices

Software Test Engineer Intern — May 2018 – Aug 2018
Gemalto — *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, Postgres, Redis
Social application for finding buddies to play games with
- Used IGDB API cached in Redis and RediSearch for searching of games
- Implemented features in Spring Boot API and React Front end
- Orchestrated pipeline using drone CI/CD + docker to include deployment + testing
- DB Migrations through flyway

fserv — Golang, Postgres
File server 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 private files

EDUCATION

Carleton University — Sept 2016 – Dec 2020
Bachelors Computer Science, 10.7/12 CGPA (3.8/4.0) — *Ottawa, ON*
- TA for Data structures class, mentoring 100+ students.