

# Rui Zhu

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## SKILLS

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

## WORK EXPERIENCE

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### Jr Backend Developer

May 2022 – Present

*Deliverr (Acquired by Flexport)*

*Remote*

- Managed invoicing with Chargebee, billing over 100000+ events per week from custom billing logic
- Integrated payment gateways like Stripe, Plaid, Braintree servicing 10000+ customers, collecting 100M+ in revenue
- Created datadog dashboards/alerts to monitor systems, lowering FRT from 1+ days to minutes
- Designed lambdas providing new business features handling over 2M events per week
- Shipped code independantly to a serverless ecosystem of typescript lambdas interacting with S3/SQS/Redis/SSM
- Debugged critical systems using different logging tools such as datadog, cloudwatch
- Used IaC tools like Terraform and serverless through CI/CD, achieving easier deployments with better safeguards
- Participated in code reviews, standups, various agile meetings, and other team rituals

### Associate Software Engineer

Jan 2021 – April 2022

*Capital One*

*Toronto, ON*

- Implemented new content/components for Gatsby React site servicing 75000+ unique visitors/week
- Ran A/B tests and tracked data from 5000+ experiment interactions per day.
- Wrote cypress, rtl, and enzyme tests while maintaining 100% code coverage
- Used terraform to manage security groups and IAM roles
- 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 REST API from Spring 4 to Spring Boot 2, improving maintainability and reducing vulnerabilities by 50%
- Added performance tweaks to object pooling for encryption/decryption classes, decreasing response time by 20%
- 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

## PROJECTS

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### 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

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### 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.