Rui Zhu

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SKILLS

Languages	Typescript/Javascript, Java, Python, Bash, Golang, SQL
Frameworks	Serverless, Svelte, Spring Boot, Micronaut, React/Redux, VueJS/Vuex
Tools	aws, git, docker, maven, nix, Redis

WORK EXPERIENCE

Jr Backend Developer   May 2022 – Present
Deliverr (Acquired by Flexport)   *Remote*
- Managed invoicing with Chargebee, billing over 100K+ events per week from custom billing logic
- Integrated payment gateways like Stripe, Plaid, Braintree servicing 10K+ 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 75K+ 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, reducing vulnerabilities by 50%
- Added performance tweaks to object pooling for encryption/decryption, 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

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.