

Jaydon Lau

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TECHNICAL SKILLS

LANGUAGES: Java, Python, JavaScript, HTML, CSS, SQL

TECHNOLOGIES: React, React Native, Spring, GraphQL, PostgreSQL, Kubernetes, Docker, Django

WORK EXPERIENCE

Redfin

Seattle, WA / Remote

Senior Software Developer

Nov 2023 - Present

- Designed the architecture for the new internal low-code platform Fast Views that re-used existing schema from the internal forms platform while remaining isolated as a microservice
- Proposed and implemented a new CI/CD pipeline for the Mobile Agent Tools app, moving off legacy Jenkins builders and onto a mobile-first cloud solution, saving 50 dev days a year in maintenance costs
- Led cross-functional initiatives to enhance the reliability of mobile push notifications by collaborating with both client- and server-side teams
- Established automated alerting and dashboard monitoring for error rates and latency SLOs across 5+ microservices, ensuring optimal resource allocation to maintain 99.9% uptime

Software Developer II

Feb 2022 - Nov 2023

- Developed an automated photo cropping solution with image recognition, streamlining the processing of tens of thousands of agent photos
- Refactored the architecture of Mobile Agent Tools to isolate the app from the monolith repository
- Implemented agent load system for customer distribution in collaboration with analytics team

Software Developer

Feb 2021 - Feb 2022

- Developed CRM tools in React and React Native, reducing code duplication across web and mobile

Top Hat

Toronto, ON

Senior Software Developer

Jun 2020 - Feb 2021

- Led the development of graded questions with inline comments and PDF preview in the Top Hat web app, resulting in over 200,000 inline comments being created
- Acted as pod lead for the Questions team, overseeing planning sessions and retrospectives

Software Developer II

Jun 2019 - Jun 2020

- Developed classroom assessment features for the Top Hat web app in React, Redux and Django
- Authored and advocated for a QA process improvement that was adopted by multiple teams

Redfin

Seattle, WA

Software Developer Intern

Jan - Dec 2018

- Improved the team's code review request workflow by utilizing Botkit and Slack APIs
- Rewrote Java endpoints for performance improvements, going from roughly 800ms to 450ms

Investment Technology Group

Toronto, ON

Algorithmic Trading Developer Intern

Jan - May 2017

- Implemented new behaviours for hedging and volume participation algorithms
- Optimized a deploy tool by using multi-threading, reducing the running time by 50%

PROJECTS

Chess Clock Time Control - Android App

- Chess clock timer that implements different types of delay increments (Fischer, Bronstein)

EDUCATION

University of Waterloo, Bachelor of Computer Science

APRIL 2019

- Minor in Combinatorics & Optimization

Wilfrid Laurier University, Bachelor of Business Administration

APRIL 2019

- Specialization in Finance