

Jeffrey Wang

software developer. systems engineer.

✉ jeffrey868@gmail.com

🔍 jeffwang13.github.io

🌐 linkedin.com/in/jeffreywang13

EXPERIENCE

Production Engineer @ Facebook May – Aug 2019
Menlo Park // [Python](#), [Thrift](#), [SQL](#), [Memcached](#)

- Reduced latency of Facebook's password rotation service for its entire server fleet by 15% and improved scalability by rewriting the service in a newer asyncio Thrift service framework
- Decreased RAM usage of service by 50% in all regions and eliminated OOM crashes by finding and fixing memory leak
- Improved security, customization and gating of passwords and server endpoints by implementing password namespacing

Software Engineer @ Credit Karma Sep – Dec 2018
San Francisco // [Scala](#), [PHP](#), [React.js](#), [Node.js](#), [Docker](#)

- Unblocked 30% of Canadians from registration by rewriting the registration flow, Transunion API integration, tracking and unit tests to support the French locale
- Improved scalability of Credit Karma product by refactoring 27 email types to be compatible with multiple languages, and consolidating common functionalities
- Drove informed business decisions by developing page view tracking in key onboarding and product flows using React/PHP

Software Engineer @ Wealthsimple Jan – Apr 2018
Toronto // [Ruby on Rails](#), [Python](#), [GraphQL](#), [React](#), [PostgreSQL](#)

- Delivered beta personalized financial advice to 60,000+ clients by developing an advice page with a client data ingestion and evaluation system across multiple microservices
- Saved 4 hours/day for the Ops team by writing a file processor to automate securities settlements and other manual tasks
- Optimized customer success by using sentiment analysis to prioritize client requests and developing job workers to automatically reply to common inquiries

Software Engineer @ TribalScale May – Aug 2017
Toronto // [Ruby on Rails](#), [React.js](#), [Swift 3](#), [Node.js](#), [PostgreSQL](#)

- Reduced latency of Allocations Rails backend by over 50% by implementing delayed jobs and optimizing database and cache
- Enriched official NBA Alexa app by developing 6 new voice commands to tell users information about the Finals
- Built synchronized flight attendant and passenger iOS apps from scratch for making in-flight purchases

TECHNICAL SKILLS

Python

Ruby

PHP

C++

JavaScript ES6

Thrift

Rails/RSpec

SQL

Docker

React/Redux

PROJECTS

Oinx 2018

[Ruby on Rails](#), [JavaScript](#)

- Built budgeting app to help Gen Z reach their goals by visualizing and saving towards their wish list

BoardScribe 2016

[Python](#), [Django](#), [Tesseract.js](#)

- Developed app that transcribes blackboard notes from a photo and facilitates classroom collaboration

TrakRecord 2016

[Java](#), [Android Studio](#), [Estimote SDK](#)

- Created an Android app designed as a companion for walkathons
- Won \$20K in support from the WearHacks SickKids Challenge

Plan-It 2016

[Java Swing](#), [Adobe Illustrator](#)

- Designed and developed a Java one-button planet building game for a 3-storey tall screen

Goldman Hacks 2016

[Java](#), [TCP/IP](#)

- Made a bot to trade stocks and bonds against other bots on a simulated market at Jane Street ETH1

EDUCATION

University of Waterloo

- BSc in Systems Design Engineering
- 2015-2020 (Expected)

INTERESTS

🏒 Hockey, basketball, ping pong

🎵 Music (hip-hop, country, EDM)