Jeffrey Wang

software developer. systems engineer.

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EXPERIENCE

Production Engineer @ Facebook   May 2019 – Present
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	Thrift
Ruby	Rails/RSpec
PHP	SQL
C++	Docker
JavaScript ES6	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, Tessaract.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
- BASc in Systems Design Engineering
- 2015-2020 (Expected)

INTERESTS

- 🏒 Hockey, basketball, ping pong
- 🎶 Music (hip-hop, country, EDM)