

JEREMY WANG

Disciplined Web Developer – a software architect

Summary

Worked at 3 Startups
Remote-first Experience
Working Hard & Passionate
Avid & Open Communicator
Highly Disciplined

Hard Skills

Ruby on Rails
ReactJS
Typescript
GraphQL
Shopify

Soft Skills

Team-player
Fun and Easy-going
Zero Ego
Self-initiator
Strategic Thinking
User-first Approach

Work Experience

Lead Developer, Finance Forge

(May 2019 – Dec 2020, Full-time, Remote)

Ruby on Rails, StimulusJS, Banking System Analysis

Built the beta version of the futuristic and centralized online banking system

- ❖ Implemented multi-tenant architecture of multiple banks using Apartment gem
- ❖ Wrote highly atomic and maintainable front-ends using StimulusJS
- ❖ Collectively analyzed the banking system with the team and wrote a bank simulator engine
- ❖ Suggested and wrote a UI test suite using Capybara and Selenium Webdriver
- ❖ Took part in enforcing stronger security measures using Devise, Pundit and Exposure gems
- ❖ Designed and laid out deployment automation using Capistrano
- ❖ Used Tailwind CSS for the styling of the components – a calculated act for the ever-growing application scale
- ❖ Addressed a series of performance and memory issues with the synchronization and presentation of large transaction data-sets

Full-stack Developer, Replay Poker

(Feb 2018 – Apr 2019, Full-time, Contractor, Remote)

Ruby on Rails, ReactJS, AWS, GraphQL, Socket.io

Designed and developed a number of features and utilities for the online multiplayer poker game

- ❖ Devised and developed a new tournament engine involving wider spectrum of contenders
- ❖ Integrated AWS Cognito for player authentication including the guest role
- ❖ Adopted design patterns to write more granular and testable Rails building blocks
- ❖ Wrote a standalone bot-to-bot game engine with an elaborate event logging to help alpha testing
- ❖ Migrated from REST to GraphQL
- ❖ Developed company's homepage using Gatsby
- ❖ Promoted more engaging gameplay by developing Socket.io based chat and nudges
- ❖ Upgraded ReactJS version from v15.4.1 to v16.8.0, transformed 15+ HOCs to custom hooks
- ❖ Migrated from Redux-based state management system to the combo of Apollo & React context API
- ❖ Wrote unit tests for all presentational components using Jest
- ❖ Integrate Google Analytics and Hotjar for user behavior analysis

Full-stack Developer, Polco.us

Ruby on Rails, ReactJS, D3JS, ElasticSearch

(Sep 2015 – Nov 2017, Full-time, Remote)

Contributed to the wider and more transparent citizen engagement in metropolitan policy-makings

- ❖ Refactored the conventional Rails asset pipeline to Webpack-based
- ❖ Analyzed and implemented voter verification process using L2 on top of Rails forms
- ❖ Applied SOLID principles and refactored 3 workflow implementations using it
- ❖ Written unit tests using RSpec and maintained 95% test coverage
- ❖ Implemented 9 types of data visualizations using D3JS
- ❖ Devised database aggregations to support different types of charts

Freelancing Developer

(Jan 2014 – Aug 2015, Remote)

Worked on Ruby on Rails and ReactJS projects on short-term contract basis

Lead Developer, Samsung Electronics

(Apr 2008 – Dec 2013, Full-time, Local)

Started as an intern in the product development department of Samsung Electronics Busan (Korea) branch, as a result of winning design in People electronics design contest. Took 2 years to become a junior mobile applications engineer. In year 4, got elevated to the role of lead developer overseeing a team of 7 web/mobile developers and 2 designers

- ❖ Translated PSD designs into working UIs on Web and Android platforms
- ❖ Developed Single Page Applications using Object-Oriented Javascript, including KnockoutJS and jQuery
- ❖ Envisioned and led the development of iOS to Android one-tap files migration software
- ❖ Developed highly-visualized consumer behavioral patterns dashboard and streamlined report generation
- ❖ Troubleshoot embedded software used in wireless data networking for CDMA/LTE/5G phones and tablets
- ❖ Worked in a team as well as independently and delivered on aggressive schedules and goals

Education

Bachelor's Degree in Computer Science, Yonsei University

(2003 – 2007)

Chairman of "the nerds with grits" club, led 4 incubator projects during the undergraduate years, one of them nominated in People electronics design contest held in Busan.



Location:	Montreal, Canada
Email:	jeremy.he.codes@gmail.com
Phone:	(+1) 514-312-3027