JAY LIU

Disciplined Web Developer – a software architect

Summary	Hard Skills	Soft Skills
Worked at 3 Startups	Ruby on Rails	Team-player
Remote-first Experience	ReactJS	Fun and Easy-going
Working Hard & Passionate	NodeJS	Zero Ego
Proactive & Open Communicator	React Native	Self-initiator
Highly Disciplined	GraphQL / Firebase / ElasticSearch	Strategic Thinking
	AWS, Shopify	User-first Approach

Work Experience

Product Engineer, Plug In Useful   Ruby on Rails, ReactJS, Shopify, Google Analytics

(Feb 2019 – Aug 2020, Full-time, Remote)

Played a pivotal role in the betterment of top-rated Shopify apps; Plug-in-SEO | Plug-in-Backup

- ❖ Built and maintained Ruby on Rails back-end that integrates with Shopify Admin SDK and exposes REST API
- ❖ Collaborated daily with the product manager for the improvement of app functions and UX
- ❖ Integrated Google Analytics, Segment and Hotfar for the shops' SEO and the app's user behavior analysis
- ❖ Devised and wrote A/B tests on the app front-end prior and immediately after the launch of new features
- ❖ Designed and built Git-based diff tool for the shops' theme version control
- ❖ Designed and laid out deployment automation using Capistrano
- ❖ Carried out regular help-desk duty of technical assistance to the clients – mostly the shop owners

Full-stack Developer, Strive for College   ReactJS, NodeJS, AWS, Firebase, GraphQL, React Native

(Jan 2018 – Feb 2020, Part-time, Volunteer, Remote)

Volunteered for the full-stack Javascript developer position, worked 5 hours a week for 2 years to enhance and maintain the virtual mentoring platform

- ❖ Developed and maintained multi-tier, duo-core back-end of NodeJS, GraphQL and Firebase
- ❖ Integrated AWS Cognito for student authentication including the guest role
- ❖ Wrote 30+ Firebase and GraphQL queries respectively
- ❖ Wrote 10+ Cloud functions for Firebase, improved back-end performance during the process
- ❖ Migrated from Loopback-based REST API to GraphQL
- ❖ Migrated from Socket.io to Firebase real-time DB for instant messaging
- ❖ Developed organization's homepage using Gatsby
- ❖ Integrated Twilio for one-to-one video sessions
- ❖ 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
- ❖ Mentored 2 junior in-house developers on the topic of ReactJS
- ❖ Wrote mobile counter-part of the web app using React Native from the scratch

Full-stack Developer, Polco.us   Ruby on Rails, ReactJS, D3JS, ElasticSearch

(Sep 2016 – Nov 2018, Full-time, Remote)

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

- ❖ Used react-on-rails for React components within Rails view, a.k.a. server-side rendering
- ❖ Analyzed and implemented voter verification process using L2 on top of Rails forms
- ❖ Applied SOLID principles and refactored 3 work flow implementations using them
- ❖ Written unit tests using RSpec and maintained 95% test coverage
- ❖ Implemented 9 types of data visualizations using D3JS
- ❖ Integrated ElasticSearch for aggregated chart data out of PostgreSQL database

Freelancing Developer

(Jan 2014 – Aug 2016, Remote)
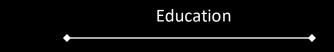
Worked on ReactJS, NodeJS and Ruby on Rails projects on short-term contractor roles

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
- ❖ Troubleshot 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.

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