

Jay Liu

Full-Stack Web Developer

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Work Experience

React / Node Developer (contractor)

Feb 2019 - May 2019

Project Map It

- Designed and developed review synchronization feature.
- Implemented new versions of map view and location details modal.
- Integrated Google, Facebook, and Zillow for review sync.
- Developed OAuth2 connectors in Node.
- Redesigned MongoDB models.
- Contributed to the conception of reviews sync flow for better UX.
- (trivia) Created a light-weight tabs component for proprietary usage.

Ruby on Rails / React Engineer

Feb 2018 - Jan 2019

Simple.Space

- Worked on different Ruby on Rails gems for user activities tracking.
- Utilized worker architecture using Sidekiq.
- Took advantage of React-on-rails for the partial rendering of React components within Rails views.
- Made use of HAML as the template engine.
- Successfully combined micro-services and Rails views in a single project.
- Written specs and ensured 85%+ test coverage for all Ruby on Rails modules and classes.
- Put design patterns and TDD into practice.

React / GraphQL Developer (contractor)

Feb 2018 - June 2018

Acuity Scheduling

- Wrote solid React code/architecture for a new SaaS branch of Acuity Scheduling.
- Integrated a React application with the GraphQL database using Apollo.
- Collaborated with the designer and back-end developer and suggested a few points that were accepted and implemented for improved user experience.
- Implemented highly complex render components and HOCs.
- Documented the custom React components using Storybook.

NodeJS Developer

Sep 2017 - Feb 2018

DigiPro, Inc.

- Supported the mobile application development with REST API using NodeJS and ExpressJS.
- Migrated a substantial MS SQL database to MongoDB.
- Developed solid authentication and access control model using PassportJS.
- Set up Microsoft Azure deployment utilizing Docker containers.

Ruby on Rails Developer (contractor)

May 2017 - Aug 2017

Robot Riot

(Online 3D fishing game engine)

- Transformed old fishing tournament system to a more engaging one.
- Took care of refactoring, test coverage and the error-proof migration of the DB.
- Played a pivotal role in defining the technical specifications.
- Suggested and exercised TDD for the development of the game engine.
- Identified edge cases in game-play and implemented the best solutions.
- Established a solid flow of unit testing on large sets of data.
- Reduced beta test failures by 85%.
- Helped increase the annual revenue by 8.9%.

Jay is

Working hard & Passionate

Avid & Open Communicator

Creative & Innovative

Accepting to Challenges

Welcoming Constructive Criticism

Part of the Team & Team Culture

Self-initiator & Doer

Highly Disciplined

Skills

Javascript



9 years of experience

ReactJS



6 years of experience

NodeJS



6 years of experience

Ruby on Rails



6 years of experience

React / Ruby on Rails Engineer

Jul 2016 - Aug 2017

Airnest (Measure.com)

- Developed a flight track player that resembles Youtube video player, but with a lot of metrics and meters.
- Developed flight area selection tool using Mapbox, available both in 2D and 3D.
- Developed parser module for drone flight log files in Ruby on Rails.
- Styled the whole UI/UX to be mobile-responsive.
- Envisioned and developed flight altitude meter component.
- Helped sell the business at a high value.

Lead Developer

Sep 2014 - Jun 2016

Sigsense Technologies

- Built the whole REST API using NodeJS and ExpressJS.
- Built the whole front-end using ReactJS and Redux.
- Implemented 9 different types of data visualizations using D3 and Highcharts.
- Envisioned and built Machine learning UI that analyzes the patterns in device incidents.
- Helped land 2 rounds of venture funding.

Education

Bachelor's degree in Computer Engineering, A

2001 - 2006

Tsinghua University

Testimonials

Liu, I'm working on some of your flow code right now, and I just felt the need to say thanks! It's good code. Easy to work with, reusable. After working with some other people's code for a while and having to rewrite it because it didn't make sense it's a pleasure to read through some of yours.

~ Brian Jenkins, AcuityScheduling

It was an absolute pleasure working with Liu - rare to find such a skilled developer who exceed expectations on both communication and delivery of tasks with a good alignment and understanding of business requirements. We were continuously on the same page when it came to deliverables. There's no doubt we will continue to work with Liu on upcoming projects and feature-sets.

~ Raf Gouel, Simple.Space

I worked with Liu on a React Native project over the course of 14 weeks. Not only was Liu proficient in building the logic of the application, but he was able to match exactly the UI/UX of the existing web application. I can see that Liu has a deep, formal understanding of software development. He employed thoughtful techniques and was very thorough on the project.

~ Sebastian Stant, StriveForCollege

Extra-professional experience

Volunteer

2017 - Present

Friends of Nature

Part-time Lecturer in Programming Languages

2010 - 2011

Teach for Malaysia

Certifications

Network Plus

CompTIA

Oracle Database SQL Certified Associate

Oracle

Business Writing

ExpertRating Inc.

UML2 Professional

Management Group

Object

Business English Certificate Higher

University of Cambridge