

Randy Jap

Backend Engineer (Web Developer)

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EXPERIENCE

Brown University, Providence, RI — Remote Consultant/ Developer

OCTOBER 2018 - PRESENT

- Develop authorisation system that enables research teams to collaborate
- Work with CESH programmers on new features and maintaining and debugging existing software tools for srdrPLUS and SRDR2.0 projects
- Work with and respond to users to enhance usability and functionality of citation screening system
- Further integrate machine-learning components into report extraction tools.
- Monitor responsiveness of and debug system

Chengbao, Hong Kong — Backend Engineer

FEBRUARY 2018 - SEPTEMBER 2018

- Introduce new features to live production code serving millions of customers on a weekly basis
- Update testing tools and patch existing systems
- Implement new logging system to main backend system
- Scale system and optimize report queries

Square Panda, Sunnyvale, California — Backend Engineer

AUGUST 2017 - DECEMBER 2017

- Improved query performance from 16 seconds to 3 seconds
- Built and optimized system APIs. Optimized code to reduced server load from 99% to 17%
- Documented, unit tested, and implemented the backend services of the front-end and SDK (Unity) games using the MEAN stack
- Secured APIs, deployed servers, and introduced new technologies to Square Panda's stack

thyssenkrupp Materials Services, HKSAR — Head of Controlling

JANUARY 2013 - OCTOBER 2016

- Promoted to Head of Controlling in January 2015, top 5% of management in respective business area
- Managed corporate savings initiatives for spend in Asia, encompassing savings of over 10 million euros annually
- Managed sustainability audit rollout for Asian suppliers, increasing supplier audit coverage to over 80% of spend in Asia
- Co-led a team of 5 people to shift global material spend from Europe and the US to LCC countries such as Vietnam, China, India, and Malaysia, increasing the share of wallet to up to 5% or 100 million Euros

SKILLSET

Rails
JavaScript (ES6)
React with Redux
SQL
Redis
RSPEC
Node
Express
MongoDB
Github
CircleCI
Terraform
Ansible
Capistrano

CERTIFICATIONS

AWS Certified Solutions

Architect - Associate

Cert# WWJJEDMKK214QMWN

AWS Certified Developer - Associate

Cert# WWJJEDMKK214QMWN

AWS Certified Cloud Practitioner

Cert# THYFZ9S1L2BQ1E9P

COMMUNICATION

English - Native
German - Native
Indonesian - Fluent
Mandarin - Intermediate

EDUCATION

HKUST, HKSAR — *Master of Science in Finance*

2012 - 2014

CSU Pomona, California, USA — *Bachelor of Arts in English*

2007 - 2008

PRIVATE PROJECTS

SentryCity — *Rails 6, Webpack*

Full stack grand-opening and liquidation aggregator

github.com/andyjap/sentrycity - MAY 2019

- Cucumber, Capybara, RSpec BDD testing / AWS S3 static asset storage / GCS BigQuery email archiving
- Sentry / Raven Error Monitoring and Server Logging
- Sendgrid email service, Facebook authentication, and Google Map API geocoding

SwapNow — *TypeScript, React, Firebase Chat*

Full stack marketplace for Berkeley students built with Rails, React, Firebase, TypeScript, and Bootstrap

github.com/andyjap/swapnow - APRIL 2017

- Supervised repository, reviewed code, and merged pull requests
- Utilized Google's Geocoding API to translate addresses to coordinates to display housing listings
- Used cron jobs to send out daily email alerts and scraped Berkeley database for university course listings

Dr. Appointment — *React Native (for iOS), Rails*

iPhone mobile app to schedule doctor appointments

github.com/andyjap/DrAppointment - MARCH 2017

- Utilized numerous React Native libraries for interactive UI/UX, including gesture swiping
- Implemented Twilio's SMS API for 2-way authentication, appointment confirmations
- Combined Twilio's API, Delayed Job, and Daemons to create asynchronous background workers

Mega Man — *Vanilla JavaScript*

A Vanilla JavaScript project showcasing the most canonical features of the classic Mega Man franchise

github.com/andyjap/mega-man - FEBRUARY 2017

- Implemented Canvas to render various sprite movement and margined horizontal scrolling in at least 10 frames per second
- Integrated the HowlerJS library to coordinate playing sound sprites and background music independently
- Utilized Object Oriented Design to manage sprite collisions

Youbiquity — *Rails, ReactJS w/ Redux*

Full stack application for renting out photo equipment

github.com/andyjap/ubiquity - JANUARY 2017

- Created photo equipment search features using jQuery, AJAX, and the Rails API/ JSON Builder
- Increased querying performance by implementing Redis on the Rails model layer for caching.
- Implemented database associations and validation logic for rental dates, drying up related queries with custom model methods and passing in variable arguments