

Lloyd Xie

Software Engineer



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github.com/lloydxie

SKILLS

ECS Fargate

Python

Laravel

MySQL

Postgres

RESTful API design

Database design

Javascript

VueJS

UX/UI design

MVC

Jquery

CSS

Cypress.js

Systems thinking

React Native

SEO

Docker

Java

JSON

Jest

Automation testing

UNIX

Clean Code

Software Architecture

Swagger

AWS

Serverless

Lambda

WORK EXPERIENCE

PatientPop, Los Angeles

Software Engineer

06/2018 – Present

An end-to-end practice growth platform for single & multi-provider practices and private practice doctors/physicians

- Created an analytics dashboard of SEO performance metrics to show doctors as a way to drive the up-sell strategy of PatientPop. Used Vue.js and material design.
- Built a deep data ETL to power the data behind the dashboard. Extracted and scraped from Google, Facebook, and Moz for geographic locations all across the United States. Orchestrated with an AWS stack (Lambda + Serverless + API Gateway + Postgres + Step Functions) along with a Jenkins deployment pipeline.
- Designed an API on top of an ECS Fargate microservice to connect the ETL database with the analytics dashboard. Used Serverless for deployment. (infrastructure-as-code)
- Re-architected the same ETL state machine to handle 5500 customers at scale with a 100x improvement in processing time: reduced from 1 week to 1 hour to extract data for the entire customer base.
- Mentored and empowered newer team members as a tenured engineer who joined early-stage.

PatientPop, Los Angeles

Junior Fullstack Engineer

11/2015 – 06/2018

- Built robust and extensible web components with vue.js, Vuex (Flux architecture) and end-to-end tests with cypress.js.
- Built a blog CMS and website builder that impacted 5000+ customers and generated millions in revenue. Used Laravel and Backbone.js for the backend and frontend, respectively.
- Refactored legacy monolith features to follow single-responsibility principles with Domain Driven Design and OOP.

UCLA Dept. of Physics

Web Developer

06/2014 – 12/2014

- Built a device inventory in Angular.js, Python, and MongoDB. Improved initial page load time.

PERSONAL PROJECTS

Wiser Each Dao (05/2019 – 08/2019)

- React Native mobile app that provides an interactive user experience for the ancient text "The Dao De Jing", the most translated text in the world behind the Bible. Released on the Apple Store.

EDUCATION

B.S. Computer Science and Engineering

UCLA, Los Angeles

09/2011 – 06/2015

- Interest #1: Artificial Intelligence
- Interest #3: Psychology

Advisor / Mentor of Bruin Bonding

- Interest #2: Computer Science
- Interest #4: Networking