Randall Ma

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github.com/randallm

Experience

Mixmax, Inc.
Engineering Intern
Summer 2017

Optimized infrastructure for scale and improved reliability of existing services.

- Profiled and improved internal messaging performance of Bull Queue under high load. Implemented Bull user interface for queue/job introspection (http://mixmax.com/blog/introducing-bull-arena).
- Built automatic update feature for customer-facing services using Redis Pub/Sub and WebSockets
- Added and maintained Salesforce API integrations inside Mixmax Chrome extension (React, JSForce)
- Ported email analytics backend from MongoDB to Elasticsearch
- Specced and built tool for exposing local instances of internal services to the public internet using ngrok

if(we), Inc.
Web Features Intern
Summer 2016

Developed and maintained new features in Tagged mobile app.

- Implemented Angular.js components from UI mockups with complex lifecycle hook integrations
- Migrated Tagged API endpoints from PHP to Node.js, added browser caching through HTTP ETag headers
- Won company hackathon by UI mockups and functional iOS demo (Swift) for restaurant search iMessage app

Poll Everywhere, Inc.
Engineering Intern
Summer 2014
Spring — Summer 2015

Developed, packaged, and released the iOS/Android Poll Everywhere app.

- Implemented native device event support (notifications, network connectivity handling) in Backbone.js-powered mobile app
- Implemented modular views/models (login, poll creation/selection) in Poll Everywhere mobile app for reuse in other projects
- Ported asset management system from Sprockets (Ruby) to Mincer (Node.js), with sourcemaps support
- Packaged mobile app using Apache Cordova, automated build/test/package management using Rake and Bamboo CI

Projects

schem.in
2017 —

Building a React-based tool to visualize and animate music lyrics.
https://github.com/randallm/schem.in

PledgeHub
2013 — 2014

Built and operated profitable Kickstarter clone with automated email newsletters, administrative control panel, and campaign landing pages (Django/Mandrill/Balanced Payments). Sold company to local K12 education non-profit, used to process thousands of dollars in donations.

Education

UC Berkeley
2015 — present

Pursuing B.A. in Computer Science (expected May 2019 graduation)

Relevant coursework: Algorithms, Data Structures, Artificial Intelligence, Internet Architecture & Protocols (ongoing), Security (ongoing)

Skills

Strong

Node.js, Express, JavaScript, Python, Django, React, Babel/ES.Next, Backbone.js, UNIX, Git, HTML, CSS, Salesforce API (SOQL/SOSL)

Proficient

Elasticsearch, AWS (API/IAMs), SQL, Angular.js, Java/Android SDK