

Summary

I've worked on:

- Ad serving platforms and tracking systems serving/tracking in the hundreds of billions per day.
- Student Data Collection System with 508 compliance
- Machine Learning Data Pipeline productionization of predictions and model training
- Building out microservice architecture where it makes sense
- UX design, both customer and internally facing.
- Data analysis and recommendations for ad serving.
- Emailing platforms, with server rotation rules

My Next Journey

I'm looking to grow and solve new problems. I like finding real [human] value in my problem solving. This could be managing and leading a team to their potential, creating UX for end users, a better experience for an internal team member, or optimization of productivity. I like solving problems in an elegant and pragmatic way given the current restraints.

Experience

Senior Engineer / Engineering Lead / Engineering Manager

BrightBytes November 2013 – Present (4+ years) San Francisco Bay Area

- Mentor nodejs developers in best practices
- Working with stakeholder requirements to create Roadmaps for current data related products
- Develop hiring processes and materials
 - Screening and hiring engineers
- Train and mentor junior engineers
- Leading Engineering Team Building out Data Pipeline ETL for student dropout prediction
- Led Engineering Integration of acquired company
- Manage several teams; hybrid or remote, onsite, employees, and contractors
- Architect Machine Learning pipeline
- Increase prediction pipeline human scaling capacity 30x
- Architect/Develop core data collection systems
- Develop common visualization library based on d3 and angular
- Technical Lead on Multiple ongoing projects
- Develop, and implemented automated testing strategies and processes
- Lead on mobile app (android/iOS) hybrid

Stack and Skills

- Ruby, Ruby on Rails, rspec, capybara
- javascript, nodejs, angularjs, backbonejs, d3js, react
- postgresql, mongodb, redshift, redis
- ionic, cordova

Senior Software Engineer

VerticalResponse June 2012 – November 2013 (1 year 6 months) San Francisco

- Architected the increase of email event tracking capacity 1000x
- Designed email server rotation to avoid "burning" ip's
- Led a complete rewrite of a 12 year old rails monolith using at the time beta Ember.js
- Mentor engineers new to Ember.js and/or javascript
- Led the development of the company's first styleguide and HIG with Senior UX Designer
- Worked on my forehand in ping pong (this still needs work, but I'm willing to train on the job)

Chief Technical Officer

Adpeak Inc. February 2011 – June 2012 (1 year 5 months) Sarasota, Florida Area

- Create Technical Strategy and Direction for the company
- Develop and maintain relationships with prospective and current ad vendors
- Create and Maintain working relationships with anti-virus vendors
- Develop short and longterm roadmaps
- Hiring and Recruitment of new engineering talent
- Managing Projects & Costs
- Develop hiring and onboarding processes
- Architect Ad Serving Platform to reach 250+ Billion ads served every day
- Architect clientside js payload rules engine and management architecture
- Reports tooling for end user analysis
- Plan User Experience for products
- Mentor User Experience Designers
- Create project specifications and goals from stakeholder's requirements
- Analyzing new business opportunities
- Prototype applications and procedures for new vertical markets
- Develop wireframes and interactive mockups
- Initial DevOps on dedicated hardware and later, AWS and Rackspace cloud in a hybrid environment
- Cut my teeth on table tennis

Stack and Skills

- Ruby, Ruby on Rails, Sinatra, LUA, PHP, Zend Framework, Kohana, Codeigniter
- Javascript, jQuery, jQuery.UI, Backbone.js, Node
- SOAP, XPATH, XML, REST
- Subversion, GIT
- MongoDB, Memcache, Beanstalk, Redis, MySQL, Postgresql
- Heroku, Ubuntu, Unicorn, Nginx, php-fpm in no particular order

Humble Servant

C2B June 2010 – January 2011 (8 months) Sarasota, Florida Area *This is the corp I used for consulting.*

Highlights

- Brought several penny auction sites up to production quality
- Developed Automated interface to MyAds (myspace) API
- Developed common gateway for payment systems and order fulfillment. ccbill & AtLast respectively.
- Developed reservation system Joomla Component
- iPhone web interface to newzbin & hellanzb (pre-appstore)
- Developed Web interface to SiMoN Yacht monitoring systems
- Custom WordPress development

Stack and Skills

- php
- javascript
- jquery
- Kohana
- ruby
- ruby on rails
- Joomla component development
- Drupal component development

Business Analyst / Senior Software Engineer

Clickbooth.com February 2008 – June 2010 (2 years 5 months) Sarasota, Florida Area

Job Titles held:

- Business Analyst
- UX Team Lead
- Project manager
- Senior Software Engineer

Highlights

- Developed new publisher interface overhauling Direct Track's current functionality for Clickbooth CPA network.
- Developed system to help Clickbooth and other CPA networks maintain compliant advertisers.
- Developed automated testing suite creator targeted at non-tech users.
- Plan User Experience for products
- Develop wireframes and interactive mockups
- Convert stakeholder requirements into technical requirements for Engineers & Designers

Stack and Skills

- php
- javascript
- jQuery
- soap
- API Architecture
- OOP Patterns

- Zend framework
- MySQL
- CSS
- Python
- PHPUnit
- Selenium
- Windmill (interface testing suite similar to Selenium)
- SVN
- Git

Software Engineer/Program Manager

Sungrazer Inc 2003 October 2003 – June 2007 (3 years 9 months) West Palm Beach

Job Titles held:

- Program Manager
- Web Developer
- UX Developer/Designer

Highlights

- Created UX on a web based POS
- Created user requirements from Stakeholders
- Created style guide and reusable html components
- Managed maintenance and ongoing improvements for Palm Beach County Travel Portal.
- Designed & developed Travel Portal for Palm Beach County Convention & Visitors Bureau.
- Developed Web api for backend ERP system.
- Developed Travel Portal for Golfer's Guide. Implemented Hilton Head Golf Course's Tee-time & Reservation System.
- Develop micro service soap api wrapping Amadeus travel C socket server

Stack and Skills

- php
- javascript, jQuery, jQuery, Prototype.js
- soap server api
- OOP Patterns and practices
- CSS, XHTML
- Photoshop layout, mockup, and design
- SQL Server, MySQL
- CVS, SVN

Web Developer / Systems Admin

Self Employed January 2000 – January 2003 (2 years 1 month)

- Develop Interactive Flash Demos
- Design and Develop html and flash websites

- Create custom website development framework to facilitate fast onboarding and updates for clients
- Conversion training and SEO optimization