



Kaleb Fulgham

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EXPERIENCE:

Favor Delivery, March 2014 - Present

Engineering Lead
Full Stack Software Engineer

Product Leadership

- Led the Engineering team to organize, design, create, & deliver frequent product updates to the iOS and Android mobile applications, server-side algorithms and APIs, and internal products used by Operations, Support, and Executives
- Implemented a Product Development Process creating an efficient pipeline of documented, designed, and prioritized features and improvements from cofounders to designers to engineers
- Created a foundation for future internal products & services using Angular.js, LESS, PHP Laravel / Node.js REST services, storage on MySQL, built with Gulp.js, and deployed through Jenkins using Ansible

Development

- Ported and continuously improved the original hybrid Favor iOS app built with Sencha Touch JavaScript and Cordova APIs to address a new customer base on Android
- Provisioned and load balanced servers on Rackspace Cloud to address load issues as Favor scaled to more cities with increased customers and staff
- Improved API performance significantly by rewriting the slow queries, adding SQL indexes, and using GZIP on responses
- Enhanced the core Runner Assignment algorithm to efficiently and automatically route a customer's Favor request to the best available Favor runner
- Integrated 3rd-party services: Balanced Payments, PEX Card, Google Maps for Business, Rackspace, Twilio, Sendgrid, Pusher, Foursquare, Yelp

PROS Inc., May 2008 - March 2014

Application Lead
Software Engineer II
Jr. Software Engineer
Software Engineering Intern

Product Leadership

- Led a team to create & deliver a new cloud-based airline SaaS on Amazon Web Services (AWS) and Windows Azure platforms using HTML5, CSS3, Backbone.js, Java REST services, Cassandra, and Hadoop. This foundation serves as the basis of future cloud development across products
- PROS Management Development Program 2012 & 2013

SUMMARY:

Experience managing teams and building innovative web & mobile applications. Seeking a position leading, designing, and developing amazing products with others who care about the overall user experience.

EDUCATION:

University of Houston (Main Campus)

BS, Computer Science Business Opt.
Summa cum laude, GPA: 3.9
Honors College

SKILLS:

Front End:

HTML5, CSS3, LESS, JavaScript, CoffeeScript, jQuery, Backbone.js, Marionette.js, Handlebars.js, Grunt.js, AngularJS, Jasmine, Twitter Bootstrap, d3.js, HighCharts, Objective-C, XCode, ExtJS, Sencha Touch, jQuery Mobile

Back End:

Web Services (REST), Node.js, Java, Groovy, PHP, Python, Ruby on Rails, Laravel, Dropwizard, Spring Behave and Cucumber Express, Apache, Tomcat

Data:

Cassandra, Hadoop, MySQL, SQLite, Microsoft SQL Server, Oracle AWS, Windows Azure, Rackspace Linux, Windows

Coffee:

French Press, Aeropress, Clever Dropper, Turkish, Chemex, and Cold Brew

PROS (continued)...

User Interface Development

- Created compelling, interactive charts using d3.js and HighCharts as well as a token-based search
- Established a Backbone.js structured solution consistently saving our team implementation time and commercial licensing costs
- Pioneered the product UI development process with a Node.js powered workflow utilizing Grunt, Jasmine, Express mock server, minification, concatenation, static code analysis, and CSS preprocessing. This resulted in efficient development, increased consistency, and minimized errors
- Spoke at the Houston JavaScript Users Group and at Houston Tech Fest 2013 on the topics of Scalable JavaScript and Backbone.js

Backend & Database

- Built JSON REST API services with clear interfaces allowing for fast implementation and smooth integration between client and server development
- Designed a continuous delivery pipeline utilizing Jenkins, Cucumber, and Chef improving consistency and confidence in releases
- Provisioned a Cassandra cluster backing Hadoop to tackle big data flight scenarios

PROJECTS:

SetPickr – setpickr.kalebdf.com

Developed an app allowing users to quickly pick subsets of photos from large Flickr photosets (e.g. vacations) and generate HTML to be used in blog posts on Tumblr or WordPress

My Flickr Facebook Application – myflickrapp.com

Created a Facebook and Flickr API based web app to display a user's Flickr photos on Facebook. It became the most-used Flickr mash-up app in 2010 on Facebook with 400,000+ users

UH Guide iPhone Application – Apple App Store (N/A)

Developed an extensible iPhone app with a Campus Map (search/directions), Weather, Twitter, and Flickr

Implemented a Ruby on Rails app to process data requests and push updates to devices