



# Kaleb Fulgham

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## EXPERIENCE:

### SpareFoot, March 2015 - Present

Application Architect  
Engineering Manager  
Applications Engineer

## SUMMARY:

Experience leading & coaching teams in 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

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

## SKILLS:

### Front End:

JavaScript, HTML5, CSS3, SASS, LESS, React, Angular, Ember, Backbone, Webpack, Gulp, Grunt, Jest, Mocha, d3.js, HighCharts, React Native, Objective-C, XCode

### Back End:

Web Services (REST), Node.js, PHP, Python, Scala, Java, Ruby on Rails, Laravel, Silex, Symfony, Phalcon, Spring, Behave, Cucumber, PHPUnit, Express, Apache, Ngnix

### Data:

MySQL, Cassandra, Redis, Microsoft SQL Server, Oracle Docker, Rancher AWS, Azure, Rackspace Linux, Windows

### Coffee:

French Press, Aeropress, Clever Dripper, Turkish, V60, Chemex, and Cold Brew

## Product Leadership

- Led multiple teams of cross-functional engineers in the iterative development of core experiences enhancing SpareFoot's desktop and mobile websites.
- Coached Engineering to think beyond the user story and collaborate with Product & Design to stretch the software's possibilities delivering value quickly to customers.
- Led teams through the launch of three new storage offerings (full-service, warehouse pick-up, and storage with truck) using persona-based designs and PHP and Node.js services while integrating with the products and infrastructure in our existing marketplace.
- Established clear performance expectations & career paths for all engineers while coaching and mentoring each person individually.
- Managed the creation of a Pattern Library consisting of reusable, designed components and a React UI framework allowing future product development to iterate quickly on A/B testing hypotheses.

## Development

- Improved the experience of the B2B product for storage facility owners through UX testing & redesigns which simplified everyday actions & surfaced key account metrics, using Ember & JSON APIs.
- Grew overall traffic & web conversion rate by 30%+ YoY using a custom service-based A/B testing framework and iterative A/B testing methodologies.
- Optimized our websites with a mobile-first strategy improving the mobile web user experience with responsive design, site-speed enhancements, image optimizations, and caching strategies.

### 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 applications 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, LESS, PHP Laravel / Node.js REST services, storage on MySQL, built with Gulp, and deployed through Jenkins using Ansible.

Favor Delivery (continued)...

### **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 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, Java REST services, Cassandra, and Hadoop. This foundation serves as the basis of future cloud development across products.
- PROS Management Development Program 2012 & 2013.

### **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.

### **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:**

#### **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.