Jake McGuire

Lead Software Engineer

(303) 518-5078 | jake.mcguire@aya.yale.edu

EDUCATION

Hack Reactor   2013

Software Engineering

Yale University   2010

Bachelor of Arts

SKILLS

JavaScript	AngularJS	Node.js	MongoDB	HTML5 / CSS
jQuery	Backbone.js	Cordova/PhoneGap	AWS	Git Workflow

EXPERIENCE

Lead Software Engineer   May 2014 - Present

Ziploop

I lead a team of three engineers, which includes managing the team's Git workflow (code reviews, merging pull requests, builds, putting changes into production) and Asana/kanban/scrum task management for team priorities. Some accomplishments in a team leader role:

- Reduced our mobile app's footprint by 80%

- Refactored our Capture Image functionality to be 75% smaller and eliminate jQuery dependence

- Built a retailer-facing dashboard for distributing rewards and promotions to users

- Owner for Cordova/PhoneGap + iOS app, including builds and updates

Software Engineer   Sep 2013 – April 2014

Ziploop

I was the first staff engineer at Ziploop and worked closely with the CTO to expand the app's functionality and refactor the codebase to accommodate Angular's rapid evolution. Things I'm particularly proud of building on my own as an early hire:

- Built Ziploop's first analytics and business intelligence dashboard

- Built Ziploop's entire push notification pipeline, from user opt-in to distribution

- Overhauled login/signup UI to be more user-friendly, including Facebook Login integration

- Built a real-time map to display the location of new users and upload activity

- In-house expert for Google Analytics and Angular SEO

- Supervised interns from Stanford who built a content recommendation engine

- Helped our web designer with code reviews and Angular/JavaScript knowledge

Contract Software Engineer   Summer 2013

Wedgies

I integrated Wedgies' website functionality into a Facebook app. Visit the deployed app at apps.facebook.com/wedgiesapp. Tech stack: Mustache, Express, Node.js, Redis.

Science Teacher   2010 - 2012

Teach For America, Mississippi Delta

I taught chemistry, physics, physical science, environmental science, and freshman biology at Greenwood High School in Greenwood, Mississippi. My students demonstrated significant academic gains in highly-rigorous science courses. By working on science reasoning skills I helped improved average scores from 14 to 19 in three chemistry classes – a 36% improvement for most students.

My placement school was 99% African-American and 100% of students received free- or reduced-price lunches. Students' average score on the ACT was 16, far behind the national average of 21 and Mississippi's average score of 18 – the lowest in the nation.