

# Mike Kusold

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## Education

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### The Ohio State University

*B.S. Computer Science & Engineering*  
Software Systems

**Columbus, OH**

2012

## Technical skills

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**Languages:** JavaScript, Node.js, Ruby, Go, HTML5, Java, C#

**Frameworks:** React, Redux, MobX, Express.js, Ruby on Rails, Backbone.js, Beego, Gorilla Toolkit

**Test Frameworks:** Jest, Mocha/Chai.js, Ginkgo/Gomega, GoConvey, rspec

**Databases:** MongoDB, Redis, Postgres, MySQL    **Cloud Providers:** AWS, GCE, Heroku

## Experience

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### Auth0

*Software Engineer II*

**Full-time Remote**

*Oct 2017-Present*

- Whittled down technical debt to reduce incidents and alerts from a daily occurrence to every few months.
- Developed initial roadmap and vision for the future of Anomaly Detection.
- Designed intelligent prompting for multifactor based on suspicious activity to reduce friction for end users.
- Developed multiple inputs to detect the likelihood that a login was from a bad actor in order to better protect customer login transactions.
- Created a tool for modifying the production database to increase confidence and speed when responding to customer requests.
- Published monthly team newsletter to communicate the status and accomplishments of the team.

### BriteContent

*Senior Software Engineer*

**Boulder, CO**

*Sept 2016-Oct 2017*

- Rapidly iterated on an automated marketing SaaS to achieve market fit.
- Developed a new product that had a goal to widen the inbound sales opportunities.
- Delivered Express, a product targeted at customers with a lower budget.
- Spiked, and then led the effort to replace Rails Action Views with a React front-end.
- Mentored a Software Engineer at his 1st post-college job.

### JumpCloud

*Software Engineer*

**Boulder, CO**

*Aug 2013-Aug 2016*

- Designed and delivered revenue generating features that directly impacted our MRR.
- Took over responsibilities from former Security Engineer. On-boarded new employees, led quarterly security reviews, and was PoC for independent security researchers.
- Lead of a team dedicated to addressing technical debt by creating new processes and tools.
- Designed and delivered an auditing solution for our customers that handles 1.6 billion events per month on a single EC2 t2.small instance.
- Delivered native user management support on OS X, despite a lack of documentation from Apple.
- Delivered a Google Authenticator MultiFactor login screen replacement for OS X.
- Integrated with Google's API for Google Apps user imports and exports.
- Created a billing microservice to accurately track how many hours per month a system was active.
- Extensively revamped our admin portal using Backbone.js.
- Member of an on-call rotation responsible for our production systems.

## 10-4 Systems

Software Engineer

Boulder, CO

Jan 2013-Jul 2013

- Rapidly implemented new brokerage features to replace an antiquated system.
- Responsible for key mapping features that gave brokers instant visual feedback on potential matches.

## Rosetta Marketing

Technology Associate

Cleveland, OH

Jul 2012-Dec 2012

- Used extensive Taxonomy and Search features to make a client's large site easily manageable.
- Worked as the sole Android Developer to reduce platform specific bugs and rendering issues for a client's HTML5 WebView application.

## Pillar Technology

Agile Apprentice

Columbus, OH

Jan 2012-Jun 2012

- Created an internal Ruby on Rails and Backbone.js reporting website for a client using TDD and Agile methodologies.
- Created key management features to set goals, create users, and spoof user identities.
- Presented different augmented reality solutions for iOS to the client, and consulted on the initial design.

## Rosetta Marketing

Junior Technology Associate

Cleveland, OH

Jun 2011-Feb 2012

- Created custom SharePoint web parts and implanted Omniture analytics for a client's website.
- Co-created a SharePoint training class, leveraging self-taught skills for fellow interns.

## Chemical Abstracts Service

Student Programming Co-Op

Columbus, OH

Jun 2010-Jun 2011

- Generated reports using SAP and Business Analyzer for the sales staff to better focus their sales efforts.
- Created a Python fuzzy matching script to identify client overlap despite inconsistent naming conventions.

## Talks

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### Go 1.6

What's coming in Go 1.6?

Boulder Gophers

February 9, 2016

### Go-Gotchas

Common and tricky pitfalls in Go

Boulder Gophers

October 6, 2015

### Beginner Track: Interacting with a database

Storing/Retrieving registration data in Postgres using database/sql

Boulder Gophers

June 2, 2015

### Beginner Track: Web server Basics

How to create a web server and inject GET params into a html/template

Boulder Gophers

May 5, 2015

### Cross Compiling Golang

How to setup the golang toolchain for cross compilation

Boulder Gophers

February 18, 2015

### Lessons Learned

Lessons I've learned while managing a small open source project

Node.js Denver/Boulder

January 15, 2015

### Bootstrapping AWS

An introduction to using AWS User Space to bootstrap your AMIs

AWS Boulder-Denver

October 28, 2014

## Project Experience

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- Cleveland Give Camp 2011 – Volunteered as part of an ad hoc formed team to create a mobile WordPress theme using jQuery Mobile for a non-profit.
- Cleveland Give Camp 2012 – Completely overhauled a non-profit's website with easier management, updated styling, and donations.
- Colorado Give Camp 2013 – Developed a solution to display charter school information on a map.
- Center For Families & Children – Led a group of interns to develop a solution for storing, entering, and reporting surveys used by a nonprofit client to secure funding.