

# Matthew Roseman

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## Education

### Case Western Reserve University

May 2017 | Cleveland, OH

BA in Computer Science  
Minor in Mathematics

## Skills

### Languages

- Python (6yrs) • JavaScript ES6+ (6yrs)
- SQL (5yrs) • Golang (1yr)
- HTML5 • CSS/Sass

### Databases/structures

- MySQL • PostgreSQL
- MongoDB • Elasticsearch
- Redis • RabbitMQ

### Frontend Frameworks/Libraries

- React (2yrs) • JQuery
- Bootstrap • Selenium
- Webpack • Babel

### Backend Frameworks/Libraries

- Django (3yrs) • Flask (2yrs)
- Express • Node (2yrs)
- Mongoose • SQLAlchemy
- Scrapy • Rabbitpy/Pika

### Infrastructure

- Docker (2yrs) • Kubernetes (2yrs)
- GCP (2yrs) • GKE (2yrs)
- Heroku • Nginx

### Tools

- Git • Newrelic
- Datadog • Varnish
- Vim • Google Analytics

### Other

- Cryptography • Image Processing
- Web Scraping • SEO
- Linux OS's (Arch, Debian, Ubuntu)

## Personal Links

Personal Site: [mroseman.com](http://mroseman.com)

Blog: [mroseman.com/blog](http://mroseman.com/blog)

Github: [github.com/mattroseman](https://github.com/mattroseman)

Linkedin: [linkedin.com/in/matthew-roseman-63414010b](https://linkedin.com/in/matthew-roseman-63414010b)

## Experience

### Find.Jobs | Full Stack Software Engineer | [find.jobs](http://find.jobs)

May 2018 – April 2020

- Programmed both frontend and backend features for the Find.Jobs sites. This job board has tens of thousands of categorized sites all under the `.jobs` TLD.
- Built Python Scrapy application to gather jobs posted on a wide variety of job boards. Built for quick implementation on sites with no similar structure. Also added Selenium middleware to handle sites with JS loaded job info.
- Refactored job importer to utilize a 3 step system with RabbitMQ queues in between. Includes importing job data of varying formats, transforming into identical Python dict structures, and inserting into Elasticsearch.
- Implemented a search filtering system allowing users to filter jobs by location, salary, category, and job type. Included writing complex Elasticsearch queries to handle these filters in a scalable fashion.
- Wrote code capable of generating and serving sitemaps to bots across 40,000 domains, each with its own search criteria for jobs. Included planning out caching, and organization of jobs in Elasticsearch such that the stress to servers was minimized.
- Helped train and lead new junior dev hires. Explained our code base, guided them on their initial projects, and pair programmed through any problems they had.

### Keyfactor | Software Engineering Intern | [keyfactor.com](http://keyfactor.com)

May 2015 – Aug 2015, May 2016 – Aug 2016

- Developed ASP.NET web app for companies with complex CA architecture to manage certificates. Worked on features stretching across frontend, backend, and modifications to a large SQL database.

## Personal Projects

### MovieMap | Node.js • React • Redux • Mongoose • GCP hosted [moviemap.io](http://moviemap.io) | [github.com/mattroseman/FilmLocations](https://github.com/mattroseman/FilmLocations)

Website with a map of all locations around the world where movies have been shot. Location info is scraped from IMDB and geocoded with Google's geocoding API. Locations on the map are clustered on the fly based on the map viewport.

### IsItCamp | Node.js • React • MongoDB | [isitcamp.com](http://isitcamp.com)

React website containing a series of questions to determine if a film is camp or not. Frontend is written in React, and backend server written in Node.js. Includes a built from scratch autocomplete of over half a million movie titles.

## Awards

### Uncommon Hacks | MLH Chicago Hackathon 2016 & 2017

- Grand Prize (2016) • Best Security App (2016)
- Grand Prize (2017) • Most Technical Project (2017)

### Knurld Hackathon | Global online Voice-Auth Hackathon 2016

- Best Mobile App • Best in Show

### Kent Hack Enough | MLH Kent Hackathon 2016

- Grand Prize (unanimous decision)