Matthew Roseman

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Education

Case Western Reserve University
May 2017 | Cleveland, OH

BA in Computer Science
Minor in Mathematics

Coursework

Graduate Level
Digital Image Processing
Cryptography

Undergraduate Level
Logic Design & Computer Organization
Software Craftsmanship
Computer Architecture
Computer Networks
Operating Systems
Database Systems
Theoretical Computer Science
Software Engineering
Discrete Mathematics
Linear Algebra
Number Theory

Skills

Languages
- Python · Javascript · SQL
- Typescript · Golang

Tools
- Vim · Git · MySQL · PostgreSQL
- Elasticsearch · MongoDB
- RabbitMQ · Redis · Docker
- Kubernetes · Newrelic · Datadog
- MongoDB

Frameworks/Libraries
- Django · Flask · React.js · Angular
- OpenSSL · React-Native · Alembic
- SQLAlchemy · Scrapy · Mongoose
- Rabbitpy/Pika · BeautifulSoup

Other
- Linux OS's (Arch, Debian, Ubuntu)
- Cryptography · Image Processing
- Scraping

Personal Links

linkedin profile

mroseman.com

github profile

Experience

Find.Jobs | Full Stack Software Engineer | find.jobs
May 2018 – Present

- 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 it's 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. Including explaining our code base, guiding them on their initial projects, and pair programming through problems.

Keyfactor | Software Engineering Intern | keyfactor.com

May 2017 – Aug 2017
- Gained more responsibility in decision making process, and was involved in planning out new features.

May 2016 – Aug 2016
- Started with QA work, but quickly was moved into development.
- Work included modifications to complex databases, changes to backend certificate management, and creating front end forms and general UI.

Personal Projects

IsItCamp | Node.js · React · MongoDB | 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)

Angel Hacks Cincinnati | Jr/Sr Dev Hackathon 2016
- Best use of HPE Haven OnDemand machine learning API
- Code4Impact Most Impactful Project

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)