

Gabriel McDonald

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[Portfolio](#)



[GitHub](#)



[LinkedIn](#)

SKILLS

Python
CSS
Flux

Ruby
HTML
AWS

JavaScript
SQL
Postgres

TypeScript
Django
Kubernetes

Clojure
Rails
Docker

Java
React
Nginx

Haskell
Angular

EMPLOYMENT

YCharts

Engineering Team Lead

(2022 -)

- Built out and led an Application Team, responsible for development of the company's single page applications. Manager of three direct reports.
- Designed and led the implementation of the backend portion of the company's Dashboard application.
- Oversaw the migration of the company's remaining AngularJS apps to Angular 12+.
- Introduced a Jest setup for Angular component testing which enabled building out a robust test suite in a frontend environment that previously had no unit test coverage.

Software Engineer

(2020 - 2022)

- Worked full stack on an investment research SaaS web application with a Python/Django backend and TypeScript/Angular frontend.
- Introduced a new financial security type (separately managed accounts) to the platform, which required syncing daily updated data with that provided by an external FTP server.
- Enhanced the load step of our ETL pipeline for importing security attribute data, so that the importers ran asynchronously in parallel rather than serially, reducing completion time by >75%.

American Physical Society

Software Developer

(2017 - 2020)

- Worked full stack on a large suite of web applications (predominantly in Ruby on Rails, Clojure/ClojureScript and Java) for managing editorial workflow within a scientific journal publishing company.
- Created a Lerna monorepo for application-independent development within Storybook of TypeScript/React components for a site-wide UI catalog.
- Introduced shareable Clojure projects which could be imported by separate apps via a private Maven repository.

EDUCATION

Syracuse University - Syracuse, NY

(2013 - 2017)

M.A. in Philosophy

University of Notre Dame - Notre Dame, IN

(2008 - 2012)

B.A. cum laude in Philosophy