

Mendel Konikov | Software Engineer

770 Empire Boulevard | Brooklyn, New York

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Portfolio: mkonikov.com | **Github:** mkonikov | **LinkedIn:** mkonikov

Skills: Ruby, Rails, JavaScript, jQuery, React, Redux, HTML, CSS, SQL, Git, Design

Projects:

Instants - Ruby on Rails, PostgreSQL, JavaScript, React + Redux, HTML, CSS

[Link](#) | [Github](#) | Full-stack photo web application inspired by Instagram.

- Optimized search to ensure limited number of queries hit the database (max every 500ms).
- Utilized AWS S3 for image storage, reducing server load and for maximum efficiency.
- Generated suggestions with an AJAX request and a custom query, to simplify onboarding.

WordCube - Vanilla Javascript, HTML, CSS

[Link](#) | [Github](#) | Fun word game built with vanilla JavaScript

- Permitted moves are calculated based on letter position and previous selections.
- Word validation with a binary search of 70,000 words to achieve $O(\log n)$ time complexity.
- Implemented a pseudo random shuffle method to achieve desired letter distribution.

DynamicBase - Ruby, SQL

[Github](#) | A lightweight object-relational mapping tool built with Ruby

- Leveraged Ruby metaprogramming techniques to return class objects for each database entry.
- Applied association options to retrieve related data, also modifiable with OOP methods.
- Created search function to query DB, generating SQL select statements with argument's hash.

Experience:

Media Relations Tech Lead, Chabad.org; Brooklyn, NY – 2014-2017

- Designed and coded webpages and emails at Chabad.org, largest faith-based website globally (4 million monthly visitors)
- Oversaw development of media resources section on backend used by the organization's 7,000 representatives, increasing press coverage by 54% year over year.

Website Design and Management, Freelance – 2013-2017

- Remotely managed websites for over 100 organizations, designing responsive web pages using custom HTML, CSS, and JavaScript.

Education:

App Academy – 2017

Full-stack software engineering course with a < 3% acceptance rate and a 1,000-hour curriculum focusing on Rails, JavaScript and React with an emphasis on TDD and programming best practices.

Geshem Center – 2014

15 week programming course covering HTML5, CSS, JavaScript and jQuery.

Rabbinical College of America, Yeshiva Tomchei Tmimim – 2005-2012

Studied Jewish legal texts, receiving Rabbinic ordination from the Chief Rabbi of Israel.