

MENDEL KONIKOV

SOFTWARE ENGINEER

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EXPERIENCE

2014 - 2017

MEDIA RELATIONS TECH LEAD Chabad.org

- 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 8,000 representatives, increasing press coverage through its usage by 78% year over year.

2013 - 2017

WEBSITE DESIGN AND MANAGEMENT Freelance

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

PROJECTS

INSTANTS

Live | Github

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

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

Live | Github

Javascript, HTML, CSS

A fun word building game created 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

Github

Ruby, SQL

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.

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.

SKILLS

RUBY

RAILS

JAVASCRIPT

JQUERY

REACT

REDUX

HTML

CSS

SQL

GIT

DESIGN