

# 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