

# 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**  
**WebMK**

  - 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