

Hatice Karatay

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Software Engineer

Experienced in Ruby on Rails and JavaScript-based programming and a background in Physics.

TECHNICAL SKILLS

Languages: Ruby, JavaScript, SQL, HTML, CSS

Frameworks/Libraries: Ruby on Rails, React.js, Redux

Tools: Postman, GitHub, VSCode

Bootstrap, React-Bootstrap, ActiveRecord, Heroku, Netlify, Postman

TECHNICAL PROJECTS

Damla Budget | React, Redux, Rails, ActiveRecord, PostgreSQL, React-Bootstrap, Chartjs [Github](#) | [Demo](#) | [Website](#)

A budget application visualizing income(s) vs expenses and their progress with charts and graphs. User signs up for an account to add/delete incomes, add/update/delete expenses.

- Utilized JSON Web Tokens and localStorage to store encrypted user information client-side by authenticating with Bcrypt on the server-side.
- Created and connected to a Redux store to allow each component to access a single state without component tree hierarchy.
- Constructed custom build React components connecting to store with Thunk middleware to fetch data from the backend.

Hangman | Vanilla JavaScript, Rails, ActiveRecord, PostgreSQL, Bootstrap [Github](#) | [Demo](#) | [Website](#)

A single-page application(SPA) emulating one of the most popular games of all time.

- Designed custom JavaScript classes to create clear syntax objects from the data retrieved in the Rails API.
- Utilized Bootstrap for a responsive web and engaging user experience.

Post-Grade | Ruby on Rails, ActiveRecord, PostgreSQL, Bootstrap, Chartjs, Bcrypt [Github](#) | [Demo](#) | [Website](#)

A gradebook for teachers! Teachers dashboard displays each of their courses, navigating to each class' grade book viewing all students' grades in the course, adding/editing/deleting assignments, and grades.

- Incorporated Google OAuth and Bcrypt to create user sessions and prevent Postgres database from unauthorized accounts.
- Developed custom validation in models to prevent invalid data from persisting in the database.
- Designed models and controller actions to incorporate RESTful routes.
- Automated ChartJs graphical rendering with customized scope methods and hashes.

EXPERIENCE

Howard County Public Schools

Science Teacher/ MATHCOUNTS Coach

Columbia, MD

10/2017 - 6/2018

DOVE Public Charter Schools

AP Physics / Physics /Science Teacher / STEM Coordinator

Tulsa, OK

07/2012 - 07/2017

- Taught college-level Physics courses ACT Science and Math.
- Coordinated school-wide ScienceExpo and increased participation by %100.
- Facilitated and instructed teachers on the use of educational technologies.

EDUCATION

Flatiron School

Full Stack Web Development, Ruby on Rails and JavaScript program

10/2021

Johns Hopkins University

Course work in DataStructures

Columbia, MD

2018

North American University

Master of Education in Curriculum & Instruction

Houston, TX

05/ 2017

Gazi University

Bachelor of Science, Physics, Honors Degree

Ankara, Turkey

06/ 2010