

# RAZ EFRON

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## SKILLS

Web Development, Program & Project Management, Program Design, Curriculum Design, CMS & LMS Management, Data Management & Analytics, Sourcing, Training & Facilitation, Technical Writing, AI Optimization

## TECHNOLOGIES

HTML/CSS/JavaScript, TS, React, Redux, Ruby/Rails, SQL, Git, MongoDB, Express, Node, AWS, ChatGPT, Co-Pilot

## EXPERIENCE

### **Full-Stack Software Engineering Instructor** | Pursuit | 2022 - Present

- Collaborated closely with curricular product managers and cross-functional teams to write and deliver new training modules, ensuring alignment with business objectives and up-to-date technologies.
- Managed 10+ junior developer teams in designing, developing, and deploying code to solve real-world problems using the MREN stack employing Scrum for iterative development to deliver high-quality solutions.
- Mentored 30+ junior developers, annually, in building scalable and user-friendly applications.

### **Full-Stack Software Engineering Lead Instructor** | App Academy | 2021 - 2022

- Led the curriculum team in an iterative process of reviewing and improving the curriculum.
- Enhanced internal tooling by fixing a bug that prevented the student question-asking queue from updating automatically via web sockets
- Led and mentored a team of five teaching assistants, facilitating their success by equipping them with essential tools and resources. Fostered a collaborative and nurturing work atmosphere conducive to productivity.
- Provided comprehensive support to cohorts of up to 50 students navigating a rigorous 16-week full-stack engineering boot camp focused on Ruby on Rails and React/Redux projects.

### **Full-Stack MERN Developer** | FundStory | 2020 - 2021

- Engineered a seamless integration with Quickbooks API, enabling the extraction and parsing of user financial data to facilitate precise matching with potential investors.
- Orchestrated the implementation of automated updates from external APIs, ensuring real-time data synchronization for all users in the database, thereby enhancing user experience and operational efficiency.
- Collaborated with leadership to align development objectives with the overarching vision and strategic direction of FundStory, ensuring cohesion and synergy between technical implementation and business goals.

## PROJECTS

### **CouchHunting** (Ruby, React/Redux, Rails 5, AWS, PostgreSQL) [Github](#)

*CouchHunting is a community-based web app inspired by CouchSurfing, connecting travelers around the world.*

- Connected Rails Active Storage to AWS S3 for photo storage and organization which reduced server load and increased overall scalability of the application.
- Created a customized search over various tables to allow users to specify their preferences for hosting, using SQL queries for a smooth UX.
- Designed a React component that allows users to send messages and booking requests that are stored in a Postgres database for easy retrieval.

### **Morning-dash** (Express, MongoDB, React/Redux, NodeJS, Google Maps/Transit/Calendar API) [Github](#)

*A customizable dashboard that displays the day's weather, commute, and calendar in a quick format*

- Implemented Google Authentication and Google Calendar AP, to showcase daily events directly on the dashboard.
- Collaborated via Git and GitHub, for parallel feature development among team members to successfully release a fully functional production application within a single week.

### **Planet Destroyer** (JavaScript, HTML5, Canvas) [Live Site](#) | [Github](#)

*A smooth shooting game where users can destroy planets to collect coins and progress through the levels.*

- Engineered game mechanics utilizing Vanilla JavaScript and Canvas, to create interactive gameplay including shooting mechanics, level progression, bonus life acquisition, and point accumulation through coin collection.
- Devised a collision detection algorithm leveraging Pythagoras' theorem, ensuring precise collision resolution, and enhancing realism and gameplay immersion.

## EDUCATION

### **App Academy** | Completed with Honors: Graduated Salutatorian March 2020

Immersive 4 months software development course with a focus on full-stack web development