Erik Elliott

P. 760-587-7279   erikelliott92@gmail.com   LinkedIn   Portfolio   Github

SKILLS JavaScript • React • Redux • Ruby • Rails • RSpec • SQL • Git • JQuery • HTML • CSS • AWS S3 • Express

RELEVANT EXPERIENCE

Full Stack Software Engineer

App Academy, Progress Tracker Product   April 2020 - Current

- Built a new feature from end to end to improve the student management system which allowed for tracking of critical student transition events and allowed for company adaptation of a mastery based learning model.
- Optimized backend to reduce superfluous PostgreSQL database queries on the students report index page which increased server throughput by over 50%.
- Refactored existing testing suite to harden CI/CD pipeline by updating hundreds of tests to accommodate changes to the database.
- Created and managed Git workflows for internal Github repos through new documentation and pull request reviews ensuring all merges contained only necessary code for students which lead to increased user satisfaction.
- Followed test-driven development principles by creating appropriate unit, integration, and end-to-end tests for all features worked on to ensure reliable, easily refactored code.

Instructor

App Academy   Jan 2020 - Current

- Planned, researched, and delivered weekly lectures on topics including Ruby, Rails, JavaScript, React, and Redux for up to 60 students at a time.
- Guided students daily through debugging complex technical topics across a stack of 15+ different technologies.
- Managed and oversaw more than 50 full stack projects and original ideas by providing detailed feedback on system design and the technical processes involved in building the application.
- Received over 90% positive daily interaction feedback from students on hundreds of interactions.

PROJECTS

Patio (React • Redux • Ruby on Rails • PostgreSQL)   Live Site | Github

A single-page app where users connect by posting images or statuses and commenting on friends' posts. Inspired by Facebook.

- Added inline edits of comments by incorporating a slice in the Redux state to target a specific comment which provided real-time updating and created a smooth, dynamic user experience.
- Avoided n + 1 PostgreSQL database queries for posts and comments by optimizing ActiveRecord associations which created simple SQL queries.
- Integrated AWS S3 with the Rails backend for multimedia storage to optimize scalability and significantly reduce server load.
- Leveraged Rails Polymorphic Associations for likes on posts and comments for DRY code.
- Built modals for CRUD actions like edits of user Profiles and Posts to enhance the user experience.

Weave (Node • Express • MongoDB • React-Grid-Layout)   Live Site | Github

An API driven dashboard where users can resize, drag and drop, and interact with multiple social media interfaces simultaneously.

- Incorporated React Hooks into a component to improve code composition and keep code DRY.
- Routed API calls from the frontend to the backend while serving the response data back to the user as needed which avoided CORS and authorization issues.
- Implemented draggable and resizable component interfaces using React-Grid-Layout library for increased customization to provide an improved user experience.

EDUCATION

App Academy - Immersive 1000-hour full stack software development course with < 3% acceptance rate (Winter 2019)

University of California at Santa Barbara - *BS - Chemistry* (2010 - 2014)

CERTIFICATIONS

Triplebyte - Front-End Certificate (Feb 2021)

Certification

OTHER EXPERIENCE

Patient Transporter, *Stanford HealthCare - Palo Alto, CA*   Jan 2019 - Aug 2019

Emergency Medical Technician, *AirCare Ambulance* - Carlsbad, CA   Sept 2017 - Oct 2018
Recreation Leader, *San Francisco Recreation and Parks Department* - San Francisco, CA   Jun 2014 - Sept 2016