Ryan Harden

Full Stack Software Engineer

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Languages: Python, JavaScript, HTML, CSS, SQL

Skills: React, Redux, Node.js, Next.js, Express, Flask, AWS S3, PostgreSQL, Sequelize, SQLAlchemy, GitHub, Postman

PROJECTS

Rainforest Retail - Amazon clone - **Solo**   Live Site | GitHub
React, Redux, Flask, SQLAlchemy, Alembic, PostgreSQL, AWS S3, Render
- Leveraged AWS S3 to implement extremely efficient user image uploads, reducing overall server load and allowing for scalability of image services
- Designed a search feature that pulls results from a PostgreSQL database allowing users to filter by product name and category
- Modularized entire frontend into a hierarchy of small React components to improve readability and reusability

TuneSpace - SoundCloud clone - **Group**   Live Site | GitHub
React, Redux, Flask, SQLAlchemy, Alembic, PostgreSQL, AWS S3, Render
- Developed an interface that utilizes React's song player library that can play/pause selected audio in order to replicate a seamless audio streaming service
- Implemented React's wavesurfer library to visualize a song's waveform while also displaying the song's progress in sync with the song player component.
- Employed GitHub's version control system to effectively collaborate with 3 other team members, working with a modular approach separating features, increasing productivity output and workflow

Nomad Nest - Airbnb clone - **Solo**   Live Site | GitHub
React, Redux, Express, Sequelize, PostgreSQL, AWS S3, GoogleMaps API, Render
- Built a predictive search feature that incorporates Google's Places Autocomplete API for geocoding user input to efficiently retrieve spots within a certain location and display them on a map
- Integrated Google Maps Javascript API that displays spots as markers on a map in order to enhance the platform usability and convenience for both guests and hosts.
- Designed Redux store for managing global state and handling complex features such as user authentication, real-time bookings, reviews and interactive maps in order to ensure smooth state transitions and minimized re-rendering.

EDUCATION

App Academy: Coding Bootcamp Program - *Software Engineering Student*
A rigorous six month, job-ready software engineering bootcamp dedicated towards front-end and back-end development with over 1,000 hours of curriculum work and engineering development.

San Diego State University - *Bachelor of Science in Kinesiology*
Emphasis in Pre-Physical Therapy

WORK EXPERIENCE

OKB Hope Foundation - *Software Engineer*   July 2023 - Present
- Design and integrate an interactive map interface using Google Maps JavaScript API, highlighting the communities served by OKB with interactive markers, elevating user engagement and intuitive navigation.
- Maintain a nonprofit website, including designing user-centric UI components with React and leveraging advanced CSS techniques and Bootstrap frameworks to ensure responsive and aesthetically appealing interfaces.
- Engage in weekly strategic stand-ups with the founder, meticulously analyzing Figma documentation and templates to ensure product excellence and alignment with organizational vision.