


JAKE THRASHER

(HE/HIM)

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[ABOUT]

Full-stack engineer with a degree in Biology. I strive to build applications that are modern and inspired. My background has strengthened my ability to bring a sense of harmony and inclusivity to a team setting. I'm driven by my desire to learn and continuously improve.

[TECH SKILLS]

Languages Libraries & Frameworks

JavaScript	React
HTML	Redux
CSS	React-bootstrap

Dev Tools

Material-UI
Node
Express
Socket.io

Testing

Sequelize	Jest
pgAdmin	QUnit

Database

PostgreSQL

[EDUCATION]

Alchemy Code Lab

800+hr full-stack software development training

University Of Alabama at Birmingham

B.S. Biology

Minor in Chemistry

[PROJECTS]

Socket Jockey [\[Deployed Site\]](#) [\[GitHub\]](#)

Node.js | Express | React | Socket.io | Matter.js | Tone.js | p5 | Heroku

Socket Jockey is a collaborative audiovisual app that uses colliding objects to generate abstract soundscapes. The frontend was built in React and utilizes the Matter.js physics engine. I worked on the custom hook that handles a lot of the apps functionality and used Material-UI to build modals that conditionally render when users enter a room. I set up the Node server and used Socket.io to enable real-time collaboration with multiple users. I also wrote the logic that assigns every three users to a random room for anonymous collaboration and added the ability to create custom rooms if desired. I was also able to incorporate some of my musical background to program synth sounds using the Web Audio framework Tone.js.

AwesomeBot [\[GitHub\]](#)

Node.js | Express | PostgreSQL | Slack-API/SDK | Cheerio.js | Heroku

Slack app created for the Alchemy Code Lab workspace that allows students to access course assignments, virtual classrooms, and schedule meetings with custom slack commands. The entire app was built in Node, using Express to create a REST api. I wrote the endpoints that fetched course assignment data from the Canvas LMS api and used the Node Slack SDK to format custom interactive modals. I also added a security layer to the server by writing middleware that uses HMAC from Nodes Crypto module to verify the authenticity of the requests from slack.

Clear Skies [\[Deployed Site\]](#) | [\[GitHub\]](#)

Node.js | Express | PostgreSQL | Jest | React | React-Bootstrap | Heroku

Built remotely with three other developers, this full-stack app helps users locate celestial objects from their current location. On the backend, Node is used to service a PostgreSQL database and CRUD routes were written using Express. I used node-postgres to interface with PostgreSQL and set up the database from the CLI. Using TDD, I wrote CRUD routes for handling user account information and wrote some endpoints for fetching data from the Nasa API. On the frontend, I worked with multiple component libraries, included React-Bootstrap to build the UI.

NutriZone [\[Deployed Site\]](#) | [\[GitHub\]](#)

JavaScript | CanvasJS | HTML | CSS | Netlify

This highly collaborative project was written entirely in vanilla javascript. It serves as a nutrition tracking app that helps users meet daily caloric goals. We used local storage to track user info and CanvasJs charting library to display the data. I wrote the logic for filtering and sorting the food data based on the users preferred diet type. I also added some CSS animations from the animate.css library.

[EXPERIENCE]

Coffee Buyer | Whole Foods Market 2015-2020

Buyer for most profitable coffee sub team in PNW region. Designed and implemented a system to ensure proper product rotation, which resulted in decreased spoilage and increased margin. I did my best to support the community by fostering relationships with local coffee vendors. Developed a passion for coffee.

Bassist | Various Artists 2011-2018

Worked with Nashville's top tier musicians, producers, and songwriters. Notable collaborations include Kacey Musgraves, The Brummies, and Little Big Town. I toured extensively, nationally and abroad.