

BROCK BENNETT

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PORTFOLIO

GITHUB

LINKEDIN

SKILLS

React, Redux, Ruby, Rails, JavaScript, HTML, CSS, SQL, jQuery, Webpack, Git, Node, MongoDB, PostgreSQL, Express

PROJECTS

AmazonForest (MongoDB, Express, React.js, Node.js)

[live](#) | [github](#)

Created a fun Amazon inspired web app for exotic animal products using the MERN stack.

- Designed the product page using Express router and Mongoose models on the backend and React / HTML / CSS on the frontend for a seamless user experience.
- Incorporated an npm module to allow users to zoom in on specific areas of a product picture to incorporate better UX / UI.

DueMe (MongoDB, Express, React.js, Node.js, GraphQL, Apollo)

[live](#) | [github](#)

Task Management app that allows users to create/edit Teams, Projects, and Tasks with a built-in team chat

- Implemented CRUD abilities for Teams and Projects with Mongoose utilizing GraphQL queries and mutations to improve frontend performance.
- Wrote model level validations to check for inclusion of email, password and name upon user registration using the Validator.js library.

Clonebase (Ruby on Rails, React.js, Redux.js)

[live](#) | [github](#)

This project is a clone of coinbase.com and is meant to help people interested in crypto to practice buying and selling

- Implemented user privacy through frontend and backend authentication strategy using BCrypt for password hashing, allowing users to only access and make changes to their own portfolios.
- Integrated a third-party API from CoinCap using jQuery and AJAX to display real-time price, historical prices, and percent-change of each cryptocurrency.

BackCountry (JavaScript, HTML, CSS, Canvas, Gimp)

[live](#) | [github](#)

JavaScript based downhill snowboarding game inspired by the early-'90s game SkiFree

- Designed movement and object collision functions to provide a physics engine that allows the user to intuitively guide the snowboarder between obstacles.
- Created custom animation sprites utilizing Gimp and Canvas to draw obstacle and boarder images onto the window.

EXPERIENCE

Sales Engineer

Toptal

Dec 2018 - May 2019

- Consulted with prospective clients about mobile and web application development and design needs including which technology stack to use as well as budget and time requirements.
- Successfully closed and managed 30 new employment accounts for new positions within the first 90 days of hire.

Field Service Engineer II

Illumina

Jan 2016 - Dec 2018

- Provided highly visible customer support for over 30 accounts through the performance of on-site installation, troubleshooting, service, and repair of all Illumina DNA sequencer platforms.
- Appointed lead engineer to collaborate with internal operation teams to optimize methods of procedure for billable repairs and instrument relocations, grossing \$1.5 million in 2017 for Northern California.

Specialist RAN Engineer

AT&T

Nov 2012 - Dec 2015

- Analyzed cellular data throughput and capacity of over 3,000 mobility sites across GSM, UMTS, and LTE technologies in Tennessee and Kentucky.
- Presented weekly presentations to regional director to evaluate and mitigate chronic blocking cell sites.

EDUCATION

BS Electrical Engineering and Mathematics - University of Alabama | Minor in Physics | 2008 - 2012

Software Development - App Academy | 2019