JOE HAYDEN

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LinkedIn: linkedin.com/in/joemhayden   **GitHub:** github.com/eljoey   **Portfolio:** joehayden-portfolio.netlify.app

TECHNICAL SKILLS

- **Proficient:** JavaScript, Node.js, Express, React, React Hooks, MongoDB, Mongoose, NPM, HTML5, CSS3, Jest, Git
- **Exposure:** TypeScript, Java, Ruby, Ruby on Rails, Redux, Heroku, jsonwebtoken

PROJECT WORK

BDO-API-Helper | Developer | Code URL   2020

RESTful API that fetches marketplace data and also includes various tools to improve users gameplay experience

- Created RESTful API routes to gather info for over 3000 items using Node.js and Express, to feed pricing info into Caphras calculator, Item Upgrade calculator and Marketplace clone.
- Leveraged RESTful API to check amount of Caphras Stones needed to reach desired level using Node.js, and Express.
- Calculated cost to benefit ratio of possible item upgrades using RESTful API, and es6+, allowing users to determine which items to purchase.
- Determined which offhand weapon to wear at users AP level using RESTful API, Node.js, and Express, allowing users to be 10% more effective at grinding with best offhand weapon.
- Created route that mocked BDO's marketplace using RESTful API, and Javascript to assist in creating marketplace on frontend website.
- Implemented caching for all purchasable marketplace items using memory-cache, reducing possible server load from multiple calls for same item by 20%.
- Engineered price alert system for items that will email users when item reaches desired threshold using JavaScript, Node.js, Nodemailer, and Mailgen, allowing users to respond 200% faster to marketplace changes.
- Developed user creation and login using refresh tokens with Node.js, jsonwebtoken, and cookie-parser, assisting in preventing attacks by XSS and CSRF.
- Documented all of RESTful routes using Markdown, ensuring this app is accessible to anyone.

BDO-Stuff | Developer | Live URL |Code URL   2020

Website that utilizes tools from BDO-API-Helper

- Created website using React, React-Router, Netlify and Axios to give easier access to BDO-API-Helper tools and ensure CI/CD.
- Redesigned website for mobile experience using React, Material UI, React Router making website 100% more user friendly by adding mobile responsive and more intuitive website navigation.

Blog API | Developer | Code URL   2020

RESTful API to assist in managing blog website

- Built API using Node.js, Express, MongoDB, bcrypt, jsonwebtoken, Moment and Passport to help anyone bootstrap their own blogs by assisting with CRUD operations to database.

Blog Website | Developer | Live URL | Code URL   2020

Website to display personal Blogs created by user from Blog API

- Built website using React, Tailwind, Moment and Axios, enabling faster navigation between blog posts because of React reducing need for page loading.

EDUCATION

Umass Dartmouth, *Mechanical Engineering*   Completed 3 of 4 years

CERTIFICATIONS

FullStack Open Completion, *University of Helsinki*   2019