John O'Brien

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PROJECTS

Tremendo
- Built a RESTful API with Node and Express.JS featuring a multi-stage CICD pipeline using GitHub Actions, automating testing, build, and deployment processes to ensure code quality and reliability.
- Designed and implemented a user-friendly client-side application with React, allowing users to organize their projects with drag-and-drop Kanban boards.
- Incorporated a third-party email service to allow email verification on registration and the implementation of a forgot password feature.
- Implemented JWT authentication to secure user data and allow for collaboration between users.
- Configured a MongoDB database for storing user data, boards, lists, and cards, along with schemas designed for efficient data retrieval and management.

Live Site | Github Repository

E-Commerce Platform for Disc Golf Store
- Developed a full-stack e-commerce platform with two distinct frontends - a Pug-templated admin interface for managing products and a React-based customer storefront for browsing and purchasing.
- Constructed an admin management system enabling staff to upload product images to AWS S3, organize disc categories, and maintain inventory data that is consumed by the customer-facing React application.
- Created a responsive React storefront utilizing Tailwind CSS, featuring dynamic product filtering by disc categories and specifications to create an intuitive shopping experience.
- Secured the admin portal with JWT authentication while maintaining public access to product browsing and category filtering features

Live Site | Admin Portal | Github Repository

WORK EXPERIENCE

Cobrizo Geología Ambiental   Feb 2022 – Sept 2022
International Business Support Analyst   *Santiago, Chile*
- Directed communications and management of English-speaking clients. Duties included language assistance during video conferences, simultaneous interpretation, and document review and translation to aid the interactions between the company and Non-Spanish-speaking clients and collaborators.

Sunburst School of Music   Jan 2015 – Jan 2020
Music Teacher and Program Developer   *Pittsburgh, PA*
- Provided music instruction and developed educational programs, including private lessons, group band programs, and an instrument rental service to support student learning and business growth.

John Page Classic Guitars   Nov 2017 – Jan 2020
Musical Director   *Pittsburgh, PA*
- Coordinated with the CEO and marketing team to organize live-streamed music events used as promotion for new guitar models. I acted as a liaison between the company and the visiting musical artists and also directed the house band.

EDUCATION

University of Pittsburgh
B.A. Economics, Philosophy, Jazz Studies   *Pittsburgh, PA*

SKILLS

- **Skills:** JavaScript ES6+, React.js, Express.js, Node.js, MongoDB, HTML5, CSS3, Tailwind CSS, RESTful APIs, JWT Authentication, AWS S3, React Context API, Mongoose, Git, GitHub, Jest, Vitest
- **Languages:** Spanish