CHRISTOPHER J SANDERS

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Portfolio: https://cjsanders.co

PROFESSIONAL SUMMARY

Full Stack Web Developer. Certified University of Denver Alumni with multi-year experience developing both personal and professional web applications independently. Engineering and management background helps to approach problems both strategically and effectively. Three plus years experience developing/maintaining an internal website and database.

TECHNICAL SKILLS

Technologies: NodeJS, ExpressJS, ReactJS, GraphQL, HTML5, CSS3, JavaScript, Bootstrap, Python 3.X, Flask
Databases: MySQL, SQLite, PostgreSQL, MongoDB, SQLite

PROJECTS

Monarch Home | github.com/EsotericZ/monarch
- Private webpage that runs on the local servers at Monarch Metal Manufacturing. Used to track all jobs in the system, store vital information, calculate bend deductions, monitor employee status and keep up to date material stock information.
- I have built, maintained and managed this project from the ground up and continue to make improvements to ensure accuracy and stability throughout the application's life.
- This application was built using React, Node, Express, Sequelize, MySQL, etc

Automated Quoting Software | gitlab.com/Zanatos/Quote
- Developed and continually maintained an automated quotation software that takes a 3D CAD sheet metal model and gets all pertinent data for the part output into a dictionary. With this, the app calculates material usage, run times, shop operations and builds/exports the correct routing for the part/assembly for use in the company database.
- Rebuilding the front end to be a more dynamic and interactive experience with the user. Features include file upload, forms, modules and dynamic information handling.
- Collaboration with a partner to modify and implement FreeCAD software to get detailed information and run efficiently in the background.
- Application saves on average 5-10 minutes quoting time on simple parts, 2-5+ hours on complex assemblies within our company.
- This application was built using Flask, SocketIO, mySQL, FreeCAD, Bootstrap HTML, CSS

CO RBall | github.com/EsotericZ/coRBallRank
- Website where players could come to see future events, post racquetball related things, and have a live ranking system and odds calculator. A social hub for all things racquetball in the state of CO
- I was responsible for developing the framework and took the lead role on the team, assigning tasks to individuals and ensuring we were staying on target for our deadline
- Developed the algorithm for ranking players as well as the odds calculator. Runs real time upon adding new matches
- This application was built using React.js, MongoDB, Material-UI, Apollo Server, GraphQL, JQuery, HTML, CSS

famYOUly | github.com/EsotericZ/famYOUly
- An interactive app that you can collaborate with your child's support network to post events, have a shared calendar, add todos and store vital information to share within your network.
- I was responsible for developing the framework, backend code, modules and calendar on the website. I was in charge of quality control and was the designated scrum master
- This application was built using NodeJS, HandlebarsJS, ExpressJS, MySQL, Sequelize, JQuery, Bootstrap, HTML, CSS

PROFESSIONAL EXPERIENCE

FULL STACK PROGRAMMER I / LEAD ENGINEER   **SEPTEMBER 2013 - CURRENT**
MONARCH METAL MANUFACTURING   **DENVER, CO**

I have been the lead engineer for the last eight years and have taken on a secondary role of full stack web/software developer over the last three years. Responsible for building and maintaining multiple projects while retaining my engineering responsibilities.

Key Accomplishments:
- Conceptualized and maintained an internal website to track and handle all current and future job location and status as well as vital shop and office information.
- Developed a large-scale material rack that utilizes load cells to continually update the amount of material on hand at any given moment.
- Create and continually update our quoting software to match our changing capabilities
- Designed job tracking system that saves the company over $60k annually
- Currently implementing a company wide training program that will run thru the website complete with videos, interactive information segments and skills tests

TEACHING ASSISTANT / TUTOR   **JULY 2022 - CURRENT**
2U UNIVERSITY OF UTAH   **REMOTE**

Responsibilities:
- Assist instructor in guiding students through class activities and providing answers to student questions
- Evaluate student projects and provide feedback
- Assist in the online delivery of full stack web development curriculum (ES6+, SQL, HTML, CSS, React, GraphQL)

EDUCATION

Boot Camp Certificate: University of Denver, Denver, CO
A 12-week intensive program focused on gaining technical programming skills in HTML5, CSS3, Javascript, JQuery, Bootstrap, Node.js, MySQL, MongoDB, Express, Handelbars.js, and ReactJS.

Master's of Mechanical Engineering: University of Louisville, Louisville, KY
A Five year year round program that consists of 14 semesters and three co-op internships. The program is accredited by the Engineering Accreditation Commission of ABET.