CHRISTOPHER BOWMAN

Software Engineer - New London, CT | 508-302-9166

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SUMMARY

Software Engineer specializing in full stack JavaScript technologies. Obtained a certificate from General Assembly's Software Engineering program. Worked on multiple teams to develop full stack applications. Prior to software development I have experience in mechanical engineering. Looking to leverage my unique background and knowledge in software development to ensure the delivery of quality products.

TECHNICAL SKILLS

Languages - JavaScript | Python | SQL | Mongo | JSON | EJS | HTML5 | CSS
Databases - PostgreSQL | MongoDB
Libraries and Frameworks - React.js | Express.js | Django | Flask

PROFESSIONAL WORK EXPERIENCE

3/2023 - Present
Independent Consultant | Software Engineer
Scott's Landscaping , Inc - MongoDB | Express | React.js | Node.js | HTML | CSS | JSON
- Utilized React.js front end with Express backend and MongoDB for first deployment.
- Incorporated responsiveness for mobile devices.
- Responsible for UX/UI design decisions as well as development.

6/2020 - 11/2022
General Dynamics Electric Boat | Structural Engineer II
- Produced models for 2 Virginia and 1 Columbia class Submarine, using ABAQUS scripting (a Python object-oriented programming language).
- Analyzed models using Finite Element Method software ABAQUS/CAE and a Python based house code.
- Collaborated with engineers as part of a team to produce well-organized and professional documentation for calculations.

1/2019 - 12/2019
University of Massachusetts, Amherst | Teaching Assistant
- Supported two classes for "Theory- Modeling Principles and Applications in Finite Element Analysis" and "Machine Component Design", gaining leadership experience.
- Hosted 2 and 3-hour, well attended, office hour sessions twice weekly for 14 weeks and accurately graded over 300 mini projects of high technical difficulty.

SOFTWARE DEVELOPMENT PROJECTS

3/2023
Money Mania - MongoDB | Express | React.js | Node.js | HTML | CSS | JSON
Money Mania is a MERN application designed for students to learn about finance. For the GA 2023 Gamifying Hackathon and placing runner up. Worked on a team of 3 UX/UI designers and 4 software developers. Responsible for the backend server as well as 3 client pages.

2/2023
Millie's Messenger - Sockets.IO | MongoDB | Express | React.js | Node.js | HTML | CSS | JSON | JWT
Millie's Messenger is a MERN chat application designed to live chat with other users using Socket.IO. A user can login and send private messages to others, join a live chat room, and set a status.

12/2022
HAPI HOUR - React.js | JavaScript | HTML | CSS | Grid | Flexbox | thecocktaildb.com
HAPI Hour is a front-end web application built to help users navigate recipes from thecocktaildb API. Users can search by name/phrase search engine, search by ingredient search engine, or start with a base ingredient choice and browse.

EDUCATION

2/2023
General Assembly
Software Engineering Immersive, Bootcamp
- Full stack software engineering immersive student in an intensive, twelve-week, 450+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, SQL queries, and team collaboration strategies. Developed a portfolio of individual and group projects.

5/2020
University of Massachusetts, Amherst
Bachelor of Science in Mechanical Engineering
- Coursework in Computer Science, Engineering Statistics, Linear Algebra, Differential Equations, Multivariable Calculus, Calculus.