

# Christopher Bowman

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

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## SUMMARY

Motivated software engineer with a strong focus on full stack JavaScript technologies. Contributed to multiple teams, collectively designing and developing full stack applications. Prior to software development, I gained valuable experience in mechanical engineering. Committed to continuous learning and staying up-to-date with industry trends. Seeking to leverage my experience in software engineering to drive innovation and contribute to impactful projects.

## TECHNICAL SKILLS

**Languages** - JavaScript | Python | SQL | Mongo | JSON | EJS | HTML5 | CSS

**Libraries, Frameworks and Databases** - React.js | Next.js | Express.js | Django | Flask | AWS | PostgreSQL | MongoDB

## PROFESSIONAL WORK EXPERIENCE

### NextGen Coders Academy - Software Engineer | 8/2023 - Present

- Developed the company website with Next.js and React.js with a team of 6 software engineers.
- Connected Next.js application to the PostgreSQL, Express.js and Node.js back end.
- Created curriculum, with Notion and GitHub, about HTML/CSS, JavaScript, data types, objects, classes and methods.

### [SpaceLab](#) - DevOps Engineer | 6/2023 - Present

- Responsible for connecting landing pages with AWS EC2 instances.
- Researched best subdomain and API deployment methods in addition to scalable solutions such as AWS Fargate and Docker.
- Leveraged ChatGPT AI for exploring new content on AWS, Linux, Rest API, GraphQL, Docker and offering solutions.

### [Scott's Landscaping, Inc](#) - Senior Software Engineer | 3/2023 - Present

- Developed a responsive web application with React.js, JavaScript, HTML, CSS, and JSON, improving website accessibility across devices and increased user retention rate by 15%.
- Enhanced user experience and user interface (UX/UI) design decisions, resulting in 30% increase in website engagement and 20% decrease in bounce rate.
- Managed the transfer of the domain registrar, email hosting, and updated DNS records to Namecheap and Vercel resulting in a 60% decrease in annual hosting cost.
- Managed email complications by executing a transfer from POP to IMAP resulting in a 100% decrease of lost emails.

### General Dynamics Electric Boat - Structural Engineer II | 6/2020 - 11/2022

- Produced FEA models for 2 Virginia and 1 Columbia class Submarine, using ABAQUS scripting with Python.
- Analyzed technical models with Finite Element Method software ABAQUS/CAE and house code.
- Collaborated with engineers to produce well-organized and professional documentation for calculations.

### University of Massachusetts, Amherst - Teaching Assistant | 1/2019 - 12/2019

- Supported two engineering classes while gaining leadership experience.
- Hosted 2 and 3-hour, well attended, office hour sessions twice weekly for 14 weeks and accurately graded over 300 projects of high technical difficulty.

## EDUCATION

### General Assembly - Software Engineering Immersive, Bootcamp | 2/2023

- Full stack software engineering immersive student in an intensive, twelve-week, 450+ hour program.

### University of Massachusetts, Amherst - Bachelor of Science in Mechanical Engineering | 5/2020

- 3.44 GPA

## SOFTWARE DEVELOPMENT PROJECTS

### [Money Mania](#) - 3/2023

Tech Stack : MongoDB | Express | React.js | Node.js | HTML | CSS | JSON

- Developed a MERN application geared towards student finance education, that placed runner up in the GA 2023 Gamifying Hackathon.
- Partnered with a team of 3 UX/UI designers and 4 software engineers to accomplish MVP in a 4 day sprint.
- Responsible for the Node.js, Express, and MongoDB back end server as well as 3 React.js front end pages.

[Messenger](#) - 2/2023

Tech Stack : Socket.IO | MongoDB | Express | React.js | Node.js | HTML | CSS | JSON | JWT

- Engineered Messenger a dynamic MERN employing Socket.IO for real time chat room messaging.
- Responsible for integrating a new library, Socket.IO, into a MERN application with authorization in order to accomplish MVP in a 1 week sprint.

[HAPI HOUR](#) - 12/2022

Tech Stack : React.js | JavaScript | HTML | CSS | Grid | Flexbox | thecocktaildb.com

- HAPI Hour is a front end web application built with React.js to navigate objects from a 3rd party API, thecocktaildb.
- Coordinated with another software engineer to accomplish MVP in a 1 week sprint and mainly responsible for developing the React components.