

# Matthew Bronstein

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GitHub: <https://bit.ly/3EMbaSi> | LinkedIn: <https://bit.ly/3VfZqhZ> | Portfolio: <http://bit.ly/3XIFwxF>

## SOFTWARE ENGINEER

Detail-oriented full stack software engineer with equal proficiency in and affinity for front-end and back-end development. Thrives in environments promoting critical thinking, problem-solving, and clear communication during collaborative work; highly flexible and committed to excellence through extensive training and experience as a professional classical musician; curious and self-motivated continuous learner, never satisfied with the status quo; Eagle Scout with integrity, loyalty, and leadership skills.

## TECHNICAL SKILLS

Front-end: React JS, Redux/Toolkit, Typescript, JavaScript, MaterialUI, jQuery, HTML, CSS, Git  
Back-end: Node JS, Express, MySQL, MongoDB, REST APIs, GraphQL, Java, SpringBoot, MVC

## PROJECTS

Full Moon Manor - GitHub: <https://bit.ly/3AQYk3Y> | Live Link: <https://bit.ly/3Vhl1Xx>

A text-based, story-driven, interactive exploration game where users navigate through a haunted house.

- Utilized **Mongoose** and **GraphQL** to easily query story information from the **MongoDB** database
- Used **JSON Web Tokens** to authenticate users on login and signup
- Implemented modern **React JS** with reusable components, hooks, props, and context providers

Couch Potato - GitHub: <https://bit.ly/3XxvuPY> | Live Link: <http://bit.ly/3VgLUdV>

A digital movie collection application that allows users to search for and save movies by name/genre.

- Secured user information using **Express-Session** and **MySQL/Sequelize**
- Used **Handlebars JS** as a templating engine to allow dynamic server-side rendering

Cocktail Concierge - GitHub: <https://bit.ly/3iiAday> | Live Link: <https://bit.ly/3VbhdXE>

A web application connecting users to a selection of cocktail recipes based on search input.

- Used **HTML**, **CSS** and vanilla front-end **JavaScript** and fetched data using **The Cocktail DB API**
- Stored user data in local storage allowing users to save their favorites in the browser

## EXPERIENCE

### edX

Teaching Assistant 03/2023 - Present

- Supports lead instructor during class and helps complement instructional aid for students; provides additional assistance and insight for students' mastery of course materials; engages with students in a fun and encouraging manner to help facilitate a positive learning environment; completes grading for and offers feedback on homework assignments

### Brass Legacy

Chicago, IL

Website Coordinator 05/2018 - 06/2022

- Developed and maintained subscription-based website primarily with Wordpress; tailored content, stylings, and layout with custom HTML and CSS; researched, implemented, and optimized themes and plugins for membership, Stripe subscription, and Mailchimp integration; implemented accessibility features to provide more usage universally

### Professional Orchestral Musician

International

Orchestral Musician - French Horn 09/2006 - 06/2022

- Learned and developed a language-based skill that focuses on pattern-matching, mathematics, and non-verbal communication; trained to be highly adaptive and perform at an elite level in high-leverage situations in front of thousands of concert-goers on a nightly basis regardless of changing variables or internal/external distractions

## EDUCATION

Northwestern University / Trilogy Education Services / edX

Chicago, IL

Full Stack Web Development

11/2022

Roosevelt University - Chicago College of Performing Arts

Chicago, IL

Bachelor's Degree in Music - French Horn Performance