

William Moroney – Full Stack Engineer

About

I'm a full-stack software engineer in Chicago with a background in music, writing, and teaching. I fell in love with coding because it gives me opportunities to solve difficult problems and be creative every day.

General Assembly Full Stack SE Intensive

- 500+ hours of instruction and pair/group programming to develop full stack programming and web design skills. Practiced designing architecture, testing, maintaining technical documents, building and pinging APIs, agile project management skills, performance testing, fundamental computer science concepts including data structures and algorithms, bug fixing and troubleshooting, making Mongo and SQL queries, utilizing web services to deploy applications, responsive design for mobile, and best-practice design patterns. Showed proficiency for these skills in the web applications built during the course.

Projects (see [portfolio](#) for details)

- Mario Party** – a culmination of fundamental [HTML](#), [CSS](#), and [JavaScript](#) skills. Used many timing functions to control [CSS grid](#) positions and CSS animations. Currently revamping this into a more substantial game with [HTML canvas](#), [React](#), and [Tone.js](#) (for sounds).
- Music Library** – a [back-end application with authentication](#) that uses [Express](#), [Node.js](#), [EJS](#), [PostgreSQL](#), [Heroku](#), and the [Spotify API](#). Users can make an account and make calls to Spotify API, add albums to their library, make playlists, and view metadata.
- Chirper** – full-stack Twitter clone using [MongoDB](#), [Express](#), [React](#), [Node.js](#), and [Bootstrap](#). Worked in a group to practice [agile development](#).
- Synth** – full-stack app using [MongoDB](#), [Express](#), [React](#), [NextJS](#), and [Tailwind CSS](#). Uses the node package, [Tone.js](#), and allows users to design sounds on a synthesizer and use full CRUD functionality to make and access saved synthesizer settings.

Contact

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portfolio.billymoroney1.vercel.app



Skills

Web Fundamentals

HTML, CSS, JavaScript, PHP

Database/ORM

MongoDB, PostgreSQL, Mongoose, Sequelize

Backend

Express, Node.js, Flask, Heroku

Frameworks

React, NextJS, Tailwind, Bootstrap, Materialize

General Programming Languages

Python, Java, C++

Version Control

Git, GitHub

Education

August 2020 – Feb 2021

General Assembly

Software Engineering Intensive

August 2012 – May 2016

Northern Illinois University

B.A.s in Music and English

Experience

2019 – Present

Found Chicago Boarding and Training

- Manager/Team Lead**

Managed a dog care and training facility. Trained 20+ new employees, resolved over a dozen dog/person health emergencies, exhibited strong communication skills with 200+ clients, and led a team to care for 80+ dogs a day. Developed systems for how teams should be led to work in a positive, productive manner.

March 2016 – December 2019

- Content Writer**

Worked for several website companies, wrote 2000+ words of blog and SEO content per day, collaborated to edit peers' work, researched and catered to clients in the automotive, medical and legal industries, positioned 90% or more of clients in top 3 in Google search results.