Jacob Clapper | Software Engineer | clapperdev@gmail.com | Boston, MA
[Portfolio](#) | [Linkedin](#) | [GitHub](#)

As a creative, focused, and diligent Software Engineer, I strive to develop full stack applications that are intuitive and efficient. My background as a teacher and pianist has given me the ability to manage multiple obligations, and to collaborate as a team or work independently.

SKILLS

Programming Languages: JavaScript, Node, Python 3
Libraries/Frameworks: React.js, React Native, HTML5, CSS3, D3, Bootstrap, JQuery,JSON, APIs, liquid, Mongoose
Tools/Platforms: Git, GitHub. Netlify, Fly.io, Express, Heroku, Jira, Trello, Postman, Figma, Canva, Agile, Scrum
Databases: MongoDb, NoSQL, SQL, PostgreSQL

PROJECTS

Harmony Haven | [Github](#)
- Developed an application facilitating repertoire list creation and communication within the music community, using MongoDB, Express, React, and Node.js.

Music Lesson Tracker | [Github](#)
- Created a platform for students to record lessons and assignments, aiding in assignment management and progress tracking, with MongoDB, Express, Liquid, and Node.

Freelancr | [Github](#) | React, Express, MongoDB, Node
- Collaborative development of a freelancing platform allowing users to create profiles, list services, and sign up, utilizing React, Express, MongoDB, and Node within Scrum methodologies.

Memory Game | [Github](#)
- Implemented a memory game using HTML5, CSS3, and Vanilla JavaScript with DOM manipulation to match musical elements.

PROFESSIONAL EXPERIENCE

Piano Faculty | South Shore Conservatory   Milton, MA | 2023 - Present
Delivering personalized piano instruction, and developing curriculum. Focused on honing technical skills, fostering creativity, and actively contributing to the musical community through recitals and collaborations.

Music Director | Full Stack Developer Volunteer | All Souls Church   Braintree, MA | 2014 - Present
Collaborate with service leaders in the creation of hybrid worship services. Utilized MERN technologies to build a full stack application with (CRUD) operations, and API back-end for members to study music for upcoming worship services.

Piano Instructor | **Curry College**   Milton, MA | 2016 - 2020
Piano TeacherPlayed for Choir Ensemble rehearsals and semester concerts Taught keyboard skills such as sign reading, technique, music theory, Introduced students to music relevant to the development of music history and piano technique

EDUCATION

General Assembly | *Software Engineering Immersive*   June 2022 - August 2022
- Full-stack software engineering immersive student in an intensive, 24-week, 450+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies. Developed a portfolio of individual and group projects.

University of Florida   **Gainesville, FL**
Master of Music - Piano Performance   2011- 2013
Texas A&M-Commerce   **Commerce, TX**
Bachelor of Music - Piano Performance   2007- 2011

CERTIFICATIONS

Software Engineering Immersive Remote- **General Assembly**
Responsive Web Design- **FreeCodeCamp**
JavaScript Algorithms and Data Structure- **FreeCodeCamp**
Front End Development Libraries- **FreeCodeCamp**
Data Visualization- **FreeCodeCamp**