

# Conner Hufnagel

## Software Developer

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### Skills

- **Languages:** JavaScript, C#, Python, C++, Java, HTML, CSS.
- **Technologies:** React.js, Node.js, Docker, React Native, Flask, AWS.
- **Databases:** MongoDB, MySQL, SQLite, DynamoDB.

### Education

- Bachelor of Science – Computer Science – Southern New Hampshire University – GPA: 3.9
  - Relevant Coursework: Linear Algebra, Data Structures and Algorithms, Full Stack Development Capstone, Mobile Architecture & Programming, Software Development Lifecycle, Software Security, Software Testing & Automation, Client/Server Development, Systems Analysis and Design.

### Project Experience

**Noodle** – <https://conner-huf.github.io/noodle/>

February 2024

*Using: Python, Flask, Javascript, React.js, TicketmasterAPI, Leaflet.js, SpotifyAPI*

- Implemented a Python backend and React frontend using Leaflet to create a user-friendly live-music application.
- Developed an API for a user to find concerts in their city, listen to music by performers on Spotify, and purchase tickets for the event through Ticketmaster.
- Optimized API calls to handle heavy data loads in extremely active areas with over 200 concerts in a given day.

**Teeny Link** - <http://www.teeny-link.com/>

February 2024

*Using: Python, Flask, Javascript, React.js, Firebase*

- Implemented a random string generator using nanoid to generate short URLs that redirect to a given long URL.
- Used client-side validation to ensure that the user provides a valid URL for shortening.
- Stored all short URLs generated and their respective redirect URLs on a database, which allows for users to input short URLs and be redirected to their site.

**Pokedex Application** - <https://conner-huf.github.io/pokedex/>

December 2023

*Using: React.js, Node.js, HTML, CSS, PokeAPI, Axios*

- Utilized the PokeAPI database to fetch up-to-date information about the Pokemon game series.
- Created a responsive UI capable of displaying and sorting this information based on user input.
- Optimized API calls to improve application performance and minimize loading times and API calls.

**Full-Stack Spotify Clone** - <https://spotify-clone-sable-three.vercel.app/>

September 2023

*Using: React, Next.js, Supabase, APIs, Javascript, HTML, TailwindCSS*

- Designed a layout based on the Spotify music streaming platform using Tailwind CSS.
- Created a database infrastructure using Supabase to allow users to perform CRUD operations on their collection of songs at the back end relational database.
- Implemented login modals, favoriting, song uploading, and music player functionality for consistency with industry trends.

### Work Experience

**Health Manager** - Sunbeam Family Services

August 2019 - July 2022

- Implemented new health compliance policies to better comply with federal health standards across 17 school sites
- Achieved 92% compliance rate with a population over 1500 students, a 27% increase from when I started at Sunbeam.
- Led a team of 4 through a federal compliance audit, within which we had to provide health screenings for 500 currently active children within a 90-day time frame to maintain funding.