

Conner Hufnagel

Software Developer

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Skills

- **Languages:** JavaScript, C#, Python, C++, Java, HTML, CSS.
- **Technologies:** React.js, Angular, Next.js, Node.js, Docker, React Native, Express, Flask.
- **Databases:** MongoDB, MySQL, SQLite, DynamoDB.
- **Cloud Technologies:** AWS Serverless Lambda Functions, EC2, S3.
- **Specialized Software:** Visual Studio Code, Git, Github, Unity, Visual Studio (2018-2020).

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.
- Front-end Developer Certification (Meta): October, 2023
- Full-Stack Development Certification (IBM): January, 2024

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/>

January, 2024

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.

Additional projects available at <https://github.com/conner-huf> or by request.