Jack Tawil

Software Engineer

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Skills

- Languages: JavaScript, Typescript, Ruby, HTML, CSS, SQL
- Frameworks: React, Redux, Thunk, Rails, Sinatra, ActiveRecord, NX, Next.js, Node.js, Styled Components
- Tools: Storybook, Figma, Jira, PostgreSQL, Heroku, Git, JSON, REST API

Work Experience

Invisible Technologies Inc., *Software Engineer Intern*, New York, NY   04/2021 – 07/2021

- Reduced tech debt by developing and maintaining a Typescript-based UI-package implemented across all frontend projects
- Engineered a component playground using Storybook to enable engineers to be more productive by testing and configuring each component before implementing in code
- Created an internal website using React, NX, Next.js, and Typescript that allows admins to alter and view user permissions
- Bridged the communication gap between design, engineering, and product managers resulting in stronger planning and more meticulous designs
- Gained proficiency working in a scrum-agile environment using Jira

Tawil Entertainment, *Owner/Operator*, New York, NY   01/2015 – 01/2020

- Entertained at private cocktail events with hundreds in attendance as a magician.
- Grew a business by networking throughout the tristate area and through repeat business

Projects

Mnemonic Maker   Demo: youtu.be/mRDLQNtoJXY | Code: Backend / Frontend

A React/Rails-based project that enables a user to remember phrases more easily by using song lyrics.

- Created a server-side route that scrapes the web for song lyrics and finds lyrics whose acronym matches that of the input value
- Used OAuth authorization protocol with JWT tokens to secure accounts and data
- Designed a PostgreSQL database schema and server-side routes to create/read/update/delete playlists and bookmarks
- Implemented Redux to create a global store and dispatch actions to more easily communicate with the backend and store data locally
- Practiced pair programming to improve code quality and collaboration skills

Jetgreen   Demo: youtu.be/SIUZVVVib0g | Code: Backend & Frontend

A Rails-based web application designed to help airline gate agents manage outbound flights.

- Incorporated Twilio messaging API to send passengers a notification via SMS text
- Created a schema that can track and associate passengers, flights, in-flight meals, and in-flight movies

COVID TrackR   Demo: youtu.be/lVbZpYMkt3s | Code: Backend / Frontend

A React/Rails-based web application that displays and queries statistical COVID-related data.

- Built a backend route that queries an external COVID API
- Designed a database schema to allow users to bookmark data
- Created a search field that optimistically renders search results

Education and Certifications

- **Certificate Full-Stack Software Engineering,** Flatiron School, Brooklyn, NY   06/2020
- **B.Sc. Mathematics,** Brooklyn College, Brooklyn, NY   01/2020