Jack Tawil

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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

B&H Photo Video, *Security Analyst I*, New York, NY   11/2021 – Present
- Documenting and creating a backup and recovery plan for many servers and environments
- Identifying thousands of physical and virtual assets to provide increased visibility
- Exposing and patching multiple security vulnerabilities using automated penetration testing tools

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

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

Education and Certifications

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