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# Jack Tawil

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## Work Experience

### Invisible Technologies Inc.

New York, NY

Software Engineer Intern

Apr 2021 – Present

- Developed and maintained a Typescript-based ui-package to be used across all platforms.
- Engineered a playground for components and documentation to increase overall engineer productivity.
- Created a React/Nx/Next.js/Typescript website that allows admins to alter and view user permissions.

### Tawil Entertainment

New York, NY

Self-Employed Magician

Jan 2015 – Jan 2020

- Entertained at private cocktail events with hundreds in attendance.
- Created custom-tailored routines and sets based on the type of crowd and venue.
- Grew a business by pure networking and word of mouth.

## Education

### Flatiron School

Brooklyn, NY

Full Stack Web Development Program; Access Scholarship

June 2020

### Brooklyn College, City University of New York

Brooklyn, NY

B.S. Mathematics, Concentration in Applied Mathematics; Presidential Scholar

Jan 2020

## Technical Skills

**Languages:** Ruby, JavaScript, SQL, HTML, CSS, Typescript

**Frameworks/Libraries:** React, Redux, Thunk, Rails, Sinatra, ActiveRecord, JWT, Storybook, NX, Next.js, Node.js

**Other:** Git, JSON, REST API, Figma

## Technical Projects

### Mnemonic Maker

Demo: [youtu.be/mRDLQNtoJXY](https://youtu.be/mRDLQNtoJXY) | Code: [Backend](#) / [Frontend](#)

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

- Scrapes the web for song lyrics and seeds data based on artist.
- Implements full user authorization and saves playlists and bookmarks.
- Utilizes Redux to create a global store and dispatch actions.
- Developed by means of pair programming via video chat.

### Jetgreen

Demo: [youtu.be/SIUZVVVib0g](https://youtu.be/SIUZVVVib0g) | Code: [Backend & Frontend](#)

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

- Utilizes Bcrypt gem to encrypt and verify a user's password.
- Incorporates Twilio messaging API to send passengers a notification via SMS text.
- Generates random seed data using Faker gem.

### COVID Tracker

Demo: [youtu.be/IVbZpYMkt3s](https://youtu.be/IVbZpYMkt3s) | Code: [Backend](#) / [Frontend](#)

A React/Rails-based web application designed to display and query statistical COVID-related data.

- Each request is validated with a JWT token that's stored locally upon login.
- Handles JSON data from an external statistical COVID API.
- Features a live search field that updates in real time.