

Stephen DiPietro

Software Engineer

New York, NY | (914) 413-9483 | stevedipietro97@gmail.com | [PORTFOLIO](#) | [GITHUB](#) | [LINKEDIN](#)

TECHNICAL SKILLS

React, Redux, Ruby, Ruby on Rails, Javascript, HTML, CSS, SQL, PostgreSQL, SQLite3, Express.js, Node.js, MongoDB, Mongoose, Git, Heroku, Amazon Web Services (AWS)

PROJECTS

DigDog (Rails, React, Redux, Javascript (ES6), HTML5, CSS3, AWS) [live](#) | [github](#)

A web-based, TikTok clone where dog lovers can upload and share videos of their pups

- Implemented user authentication using BCrypt and React Router to create session-specific cookies for persistent login across sessions and limited access to protected frontend routes.
- Incorporated AWS S3 to store media uploads in the cloud, reducing server load time and improving the scalability of video services.
- Utilized Rails polymorphic associations for backend infrastructure of like and comment entities related to videos or other comments allowing for the maintenance of DRY, reusable code.

School Force (MongoDB, Express, React, Node.js, Twilio SMS API) [live](#) | [github](#)

Front-End Lead, A single-page web application for school administrators to manage parents and students as well as send reminders to filtered groups via SMS

- Created React form components to collect user data necessary to create admins, parents, and reminders and stored them to the MongoDB database via exposed express API routing provided by the backend team.
- Implemented a client-side search feature that filters through the Redux front-end state to target specific parents matching user-provided criteria to receive reminders.
- Integrated Twilio API and MongoDB to send SMS reminders directly to parents' cell phones from desktop app

Tetris Pro (Javascript, HTML5 Canvas) [live](#) | [github](#)

An interactive web-based version of the classic Tetris game

- Executed collision logic, for smooth gameplay, and high score counter using Object-Oriented design
- Implemented HTML5 Canvas API to achieve cohesion between dynamic and static components

EXPERIENCE

Software Engineer

Freelance

June 2020 - present

- Latest work includes customizing markup and styling for Law Journal website for NYU: nyuill.com (HTML, CSS, JavaScript)

Summer Financial Analyst

mParticle

June 2018 - August 2018

- Utilized Microsoft Excel pivot tables to efficiently reclass transactions to improve internal accounting
- Cleaned up data, contacted partners, and implemented new software in preparation for a new New York sales tax
- Coordinated with the IT and HR departments to review fixed asset listings and make recommendations for disposals

EDUCATION

Web Development - App Academy | 2019–2020

- Highly intensive, sixteen-week, full-stack software development boot camp with a focus on Ruby on Rails for back-end development and JavaScript for front-end development

BA Economics - Boston College | 2015 - 2019

- Executive board member, Boston College Investment Club
- Relevant coursework: Econometrics, Statistics