

John Nico

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PROJECTS

Prodigy - A Genius clone built with Rails, React/Redux and PostgreSQL [live](#) | [github](#)

- Employs Native Web API to store selected lyrics and generate custom styled inline annotations. Users can also comment on and upvote/downvote annotations.
- Integrates music videos, using Youtube's Data API upon creation of track, allowing user to listen to music while they annotate.
- Stores images remotely using AWS S3, thus facilitating scalability by reducing server load.
- Validates custom User Authorization in the backend with BCrypt Gem.

DOMtastic - A lean JS library designed for easier DOM manipulation [live](#) | [github](#)

- Provides users with useful methods including inserting, removing, and finding DOM elements.
- Offers users a sleek XMLHttpRequest wrapper for cleaner and more intuitive AJAX requests.
- Live CSS Editor showcases DOMtastic's powerful, yet small footprint.

Pipe Mania - A Pipe Dream clone built with Vanilla JS and Canvas [live](#) | [github](#)

- Generates randomly drawn HTML5 canvas elements, providing unique challenges each game.
- Utilizes higher-order-function to determine next pipe for liquid flow by running callback function upon completion of animation.

SKILLS

Ruby, Ruby on Rails, JavaScript, jQuery, React.js, RSpec, Redux, SQL, Swift
Git, HTML5, CSS3, Node.js, Koa.js, Express.js, Docker, MongoDB, Mongoose

EDUCATION

Web Development - App Academy (Fall 2016)

- Intense 12-week, 1000-hour full stack bootcamp with <3% acceptance rate.
- Topics of study include TDD, algorithms, coding style, and web development best practices.

BS Chemistry - St. John's University, 2012

- GPA 3.9 Summa Cum Laude
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WORK HISTORY

Lab Technician B - Albert Einstein College of Medicine (Oct 2013 - Aug 2016)

- Optimized RNA and DNA extraction protocol to obtain 150% higher yield of product.
- Trained inexperienced replacement in a variety of technical protocols by translating complex experiments into smaller and simpler steps.

Online Mathematics/Science Tutor - Brainfuse Inc. (Nov 2011 - Oct 2013)

- Assisted 100+ students through digital whiteboard by clearly communicating and listening in a digital setting. Most students received higher test scores after lessons.