

E-mail: rodrigun@bu.edu

Phone: (646) 400-8548

Nigel Rodriguez

New York, NY

Portfolio: nrod42.github.io/portfolio

GitHub: github.com/nrod42

EDUCATION

Boston University, Boston, MA

B.S. Mechanical Engineering

SKILLS

React, JavaScript, Node, Express, MongoDB, Bootstrap, HTML, CSS/SCSS, Git

PROJECTS

TV Show/Movie Tracker – *React, Node, Express, MongoDB, Bootstrap*

[Live Site](#) / [Source Code](#)

- Developed an intuitive app for effortless tracking and exploration of TV shows and movies.
- Built secure user authentication with password hashing using bcrypt and JSON Web Tokens for authorization.
- Stored user watchlists in MongoDB for efficient organization and persistent personalized content.
- Integrated an external API for up-to-date media information and recommendations.
- Designed responsive UI with search functionality and categorized tabs.

Blog Site – *React, Node, Express, MongoDB, Bootstrap*

[Live Site](#) / [Source Code](#)

- Developed a dynamic blog site allowing users to register, login, and create posts with ease.
- Implemented an intuitive blog creation feature with rich text editing, image uploading, and categorization.
- Built a robust search functionality using MongoDB's text indexing for efficient content discovery.
- Ensured secure user authentication and authorization, including password hashing, for privacy and data protection.
- Enhanced user engagement and content discovery through intuitive navigation, author profiles, and post access.

Shopping Site – *React, Bootstrap*

[Live Site](#) / [Source Code](#)

- Created an interactive e-commerce website with product listings, quantity input, and add to cart functionality.
- Implemented dynamic off-canvas cart with real-time quantity updates and total price calculation.
- Designed responsive user interface with slideshow and featured product sections for enhanced visual appeal.
- Developed a seamless checkout process with an order summary page for a streamlined purchasing experience.

Resume Builder – *React, Bootstrap*

[Live Site](#) / [Source Code](#)

- Created dynamic web app with responsive navigation, interactive forms, card-based layout, and resume review.
 - Implemented customizable resume sections for organized display of user-submitted data.
 - Integrated PDF download functionality for easy generation and sharing of resumes.
 - Demonstrated proficiency in state management techniques for efficient data flow and seamless user experience.
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WORK EXPERIENCE

Tower Enterprises

Sales Engineer

May 2019 – December 2022

New York, NY

- Prepared proposals for engineers and contractors to facilitate the bidding process for mechanical equipment.
- Reviewed customer design proposals, assessed project requirements, and estimated costs and timeline accurately.
- Automated pricing calculations in Excel, reducing errors and ensuring consistency across multiple projects.
- Performed on-site surveys to assess project requirements and provided estimates tailored to meet client needs.
- Diagnosed equipment malfunctions, identified root causes, and delivered effective repair solutions.

JCA & Associates

Project Manager

August 2018 – May 2019

New York, NY

- Facilitated the acquisition of building permits from the NYC Department of Buildings (DOB) for clients.
- Resolved building violations and managed the document submission and withdrawal process with the DOB.
- Collaborated with engineers and architects to develop plans meeting client requirements and city regulations.
- Maintained accurate records of the approval process, including permits, plans, and inspection reports.