

# William Dale

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Full stack web developer with a passion for driving efficiency through programming and creative problem solving. Bachelor of Science in Mechatronic Engineering. Experience in Ruby on Rails, JavaScript, and React, and a background in business management and robotic engineering/design. I bring strong skills in logical analysis, project management, and team leadership that drive collaboration and vigorous growth. Hiked the Appalachian Trail from Maine to Georgia in 5 months.

## TECHNICAL PROJECTS

### Trail Guide App - [Github](#) | [Demo](#)

*Connects long distance hikers with 'angels' to help plan and complete their journey.*

- + Amalgamated Rails API with React front end to generate database functionality
- + Implemented Google Maps API, Walmart API and Semantic UI to increase user experience and functionality
- + Allow user to plan hiking trips by searching locations using trailblaze API and find necessary items through Walmart API

### Off Broadway - [Github](#) | [Demo](#)

*Allow users to create custom, animated scenes with actors and personalized scripts.*

- + Integrated an auto text generator API to enable instantaneous scene creation and display
- + Implemented React frontend with Rails backend to create a dynamic and responsive user experience
- + Utilized Semantic UI to populate cards to create custom casts /characters

### BingeWatch Schedule - [Github](#) | [Demo](#)

*Automated TV guide app for scheduling and ordering TV shows, streaming and live.*

- + Built frontend using React and backend using Ruby on Rails and the MVC pattern
- + Configured database associations using ActiveRecord, which organized shows by user's TV-watching preferences
- + Integrated TVMaze API that enables users to search all shows available across various streaming platforms

## TECHNICAL SKILLS

Ruby, Rails, SQL, JavaScript, React, Redux, Machine Design, 3D Modeling, PLC Programming, Technical Writing

## EMPLOYMENT HISTORY

### Pawling Engineered Products, Pawling, NY

*Senior Product Engineer*, January 2014 - August 2016

- + Supervised design and development of new automated machinery at a leading elastomer manufacturer, increasing efficiency, productivity and introduction of new proprietary products.
- + Led a 4-member team in research and development of new products and materials based on customer specifications.
- + Saved \$100K in annual energy costs by introducing curing method using steam rather than electrical heat.
- + Spearheaded new digital engineering department, converting manual procedures and enhancing plant-wide communication.
- + Identified and resolved mechanical failure of multimillion-dollar government missile launch system via new installation method.
- + Devised and implemented large-scale automated hydraulic production process for Boeing 787 fuselage.

### Preferred Construction, Huntington, NY

*Drafting Manager*, July 2005 - September 2013

- + Prepared drafting plans for commercial construction projects ranging from \$100,000 to \$5,000,000.
- + Consulted with clients and analyzed blueprints to produce accurate cost estimates for job proposals.
- + Coordinated material procurement, payroll preparation, and client relations, ensuring completion on-time and under budget.

## EDUCATION

### Flatiron School - New York, NY - 2018

- + Full Stack Web Development, Ruby on Rails and JavaScript Immersive Program

### Vaughn College of Aeronautics & Technology, Flushing, NY (2013)

- + Bachelor of Science in Engineering in Mechatronic Engineering

### James Madison University (JMU), Harrisonburg, VA (2010)

- + Bachelor of Business Administration in Business Management, Concentration in Technology, Innovation & Entrepreneurship