

Philip Roth

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Full stack web developer with a passion for finding innovative solutions. With experience in Ruby on Rails, JavaScript, and React as well as a Bachelor's in Entrepreneurial and Industrial Engineering. I have been praised for my strong skills in product design, project management, and creativity that help teams meet deadlines and exceed expectations. I am a creative and driven leader who thrives in challenging environments. I also began learning music production 12 years ago and have come to see sound design through a visual design lens which has supported my coding skills.

TECHNICAL PROJECTS

AudioPhiles - [Frontend](#) | [Backend](#)

A peer to peer audio sample sharing app with a visual representation of the uploaded audio samples.

- + Crafted the user interface with React and Redux with Semantic UI for styling.
- + Utilized Active Storage in Rails to store the audio files
- + Developed a Rails API backend with endpoints for song, users, tags, and favorites
- + Tailored JSON Web Tokens and localStorage to store encrypted user information client-side.

RetroJS - [Github](#) | [Live App](#)

A recreation of the game Pong made to play with 2 players on one keyboard.

- + Designed and implemented game states and animation in JavaScript to allow fully customizable gameplay.
- + Leveraged HTML5 Canvas to render and animate play field and characters.
- + Developed a Rails API backend to track players and games.

Team Lunch Roulette - [Frontend](#) | [Backend](#)

Choose where to go for lunch at random by choosing a location and food preference.

- + Created the user interface with React and Semantic UI for styling.
- + Employed the Yelp API with restaurant endpoint.
- + Developed a Rails API backend with endpoints for teams and users.
- + Utilized JSON Web Tokens and localStorage to store encrypted user information client-side.

TECHNICAL SKILLS

Ruby, Rails, React, Redux, JavaScript, SQL, Microsoft Office, AutoCAD Mechanical, Inventor, Crystal Ball Forecasting Program, 3DS Max, NX, Promodel Simulation Software, Ableton Live, Six Sigma Lean Manufacturing.

EMPLOYMENT HISTORY

PRAB Inc.

Kalamazoo, Michigan

Applications Engineer & Estimator

December 2016 - March 2019

- + Ran newly acquired subsidiary, Kalamazoo Fabricating, serving more than \$500k of custom manufacturing contracts per year.
- + Independently engineered multiple projects from pain point through design, prototyping, research, implementation and upkeep in under a month each with a part-time focus that would normally take a full time individual two months to complete.
- + Coordinated design and production of custom equipment for more than 20 outside companies based on broad specs.
- + Improved efficiency of manufacturing floor processes by 10% through improving design of and fabricating new equipment.
- + Reduced utility (water) usage in fluid filtration system manufacturing by 10% through equipment redesign.
- + Handled challenging task of making company profitable with unrealistically high prices and challenging steel tariffs.

Latitude 42 Brewing Company

Portage, Michigan

Server

June 2013 - September 2015

- + Promoted from food runner to host and then server in under a year and a half.
- + Regularly received praise from management for efficiency of service in this newly established company

EDUCATION

Flatiron School

Chicago, IL

Full Stack Web Development Program

2019

Western Michigan University

Kalamazoo, MI

Bachelor of Science in Entrepreneurial and Industrial Engineering, Minors in Mathematics and Manufacturing

2016