

Harry Wilson

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GitHub: <https://github.com/HarryWilson1995> | Technical Blog: <https://medium.com/@harry.wilson1995a>

Portfolio: <https://harrywilson1995.github.io/> | LinkedIn: <https://www.linkedin.com/in/harryswilson/>

SOFTWARE ENGINEER

Exceptional problem solver and communicator with a passion for patterns and logic. Made the career switch from linguistics to programming in late 2019. Now a Full Stack Web Developer with over a year of professional experience.

TECHNICAL SKILLS

HTML, CSS, JavaScript, React, Node / Express / MongoDB, SQL, Git / Github, Bootstrap / Tailwind, Ruby on Rails, Sinatra, Object Oriented Programming, Agile Methodology, Test Driven Development (TDD), TypeScript, PHP, MySQL

EXPERIENCE

Treehouse Internet Group

Seymour, CT

Frontend Web Developer

02/2020 - Present

- Develop interactive and dynamic web components using HTML / CSS and Vanilla JavaScript resulting in improved site performance and avoiding reliance on jQuery and other third party dependencies
- Collaborate with other departments to build out responsive, performant websites based on clients' needs
- Improved site speed by **20%** using agile methodologies to implement performant CSS and JavaScript features
- Design, develop and deploy multiple Slack Bots using the Slack API, Node.js, cloud based database software and modern JavaScript (ES6) which are now used company wide to improve organization and performance
- Used PHP to create site templates, significantly reducing time taken to alter similar web pages across **100+** sites
- Boosted multiple sites' SEO rankings using Python web scraping to detect issues such as 404s and redirects

TECHNICAL PROJECTS

Bug Tracker - Github: <https://github.com/HarryWilson1995/Bug-Tracker-MERN> | Demo: <https://youtu.be/fh0B3c216Bw> |

Hosted: <https://bug-tracker-pro.herokuapp.com/>

Designed to allow employees to keep track of bugs in their work projects

- Coded frontend using modern React, including React Hooks and the Context API
- Created a highly secure authentication system using JSON Web Tokens and Authentication Middleware
- Developed a full REST API for bugs with all protected endpoints using Node / Express / Mongoose / MongoDB Atlas
- Utilized test driven development on backend by consistently checking routes using Postman

Sequence Lite - Github: <https://github.com/HarryWilson1995/JS-Card-Game-Sequence-SPA> | Demo:

<https://youtu.be/Xh0qd6lqNcs> | Hosted: <https://sequence-lite.netlify.app/>

A single page multiplayer card game application in which players compete over one or multiple rounds

- Researched and implemented polymorphic relationships in Rails models so cards could belong to multiple models throughout the game, backend uses ActiveRecord and SQLite in development, PostgreSQL in production
- Designed the project using MVC architecture principles and used object oriented and ES6 JavaScript on the frontend
- Incorporated third party JavaScript library / plugins to add advanced features such as dragging sets of ordered cards
- Deployed frontend to Netlify and linked to Heroku backend in order to host high performing application

LingoRater - Github: <https://github.com/HarryWilson1995/Review-App> | Demo:

<https://www.youtube.com/watch?v=OVSiBobBu4w> | Hosted: <https://review-appz.herokuapp.com/>

Language Course Review App designed for users to write and read comprehensive language learning product reviews

- Used Ruby on Rails to create a full stack application with full CRUD functionality, nested routes and complex database relationships in order to provide a clean user experience
- Implemented full user authentication and added Facebook login option using OAuth Ruby gems
- Increased standard of reviews on the site by creating custom validations in the Rails models
- Added search bars to each index page to increase usability and speed of navigation within the app

EDUCATION

Flatiron School

Full Stack Web Development, Ruby on Rails, JavaScript and React program

Terryville, Connecticut

12/2019 - 10/2020

University of Cambridge

Master of Arts (MA) and Bachelor of Arts (BA) in Foreign Languages & Linguistics

Cambridge, England

09/2013 - 07/2017