



James Rigglesman

Software Developer

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Personal Profile

I am a software developer with robust problem-solving skills and proven experience in creating and designing software in a test-driven environment.

Passionate about implementing and launching new projects. Team oriented and highly motivated to stay up to date on the newest updates and best practices.

Educational Training

LeWagon Shanghai

Part-time Full Stack Web Dev Bootcamp

- Attended from August 2021 to Feb. 2022
- 6 month Full Stack Web Development course.

Product Development Course

- Attended from October 2020 to December 2020
- 9 week course over the implementation and development of MiniPrograms

Indiana University

Bachelor of Arts Political Science/Russian

- Graduated in 2017 with a 4 year degree.

Career Summary

Freelance Software Developer

Relabs Green Gym. March 2022-present

- Championed both frontend and backend development processes for a corporate wellness website, employing Rails and React.
- Showcased versatility in the role of Project Manager, also contributing as a frontend and backend developer in a team of three.
- Collaborated in a full-stack capacity, innovatively using Rails for Backend and React for Frontend in team-based development projects.

Full Stack developer

Symply Services - June 2022 - present

- Spearheaded the development and management of EJS report generation using Puppeteer HTML-PDF in a Node.js environment, optimizing backend processes.
- Engineered a variety of robust features using a sophisticated tech stack composed of React/GraphQL/Typescript/Node.js, contributing significantly to product development.
- Leveraged React JS and TypeScript for creating user-friendly and highly responsive interface components, enhancing the overall user experience.

Professional Skills

Coding Languages:

Ruby, HTML, CSS, Javascript, SQL

Frameworks/Systems:

MVC, TailwindCSS, bootstrap, Visual Studio, Wechat MiniProgram, React, AWS, Node.js, Ruby on Rails, GraphQL, EJS, Typescript.

Character References

Pavel Liser

Le Wagon Engineering Manager, China
Email: pavel@lewagon.org

Sean Clark

Freelance Full Stack Developer
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Projects

ReLabs Green Gym -- <https://www.green-gym.com.cn> (currently being migrated to new domain)

Version 1:

- Collaborated with a team member to design and build a robust backend for the Green Gym project using Ruby on Rails and PostgreSQL, demonstrating teamwork and technical proficiency.
- Implemented a secure user authentication system and OTP features, ensuring a safe and personalized user experience.
- Developed various distinctive features that added substantial value to the overall project.
- Engineered the frontend using React JS, creating a fully responsive interface across multiple devices.
- Utilized Alibaba ECS and Aliyun cloud with Docker for server setup and to create a robust, reliable production environment.
- Administered DNS and configuration on Aliyun Cloud, showcasing strong system administration skills.
- Handled SSL certificates and security measures, ensuring a safe and secure platform for users.

Version 2:

- Transitioned into a managerial role, effectively overseeing both frontend and backend development teams.
- Liaised directly with the client to understand and address their needs and changes, demonstrating excellent communication and customer service skills.
- Provided technical assistance to developers, fostering an environment of learning and growth within the team.
- Took charge of production deployments, ensuring smooth, error-free release of updates.
- Continuously optimized development processes and workflows to improve efficiency and quality of deliverables.

Symply Services & Personal Puppeteer Project

As an integral part of the team at Symply Services, I spearheaded the development and management of an innovative automated report generation system, leveraging my proficiency in Puppeteer, EJS, and Node.js. This project not only optimized backend processes but also showcased my ability to initiate, develop, and implement effective solutions in a professional setting.

- **Developed a Prototype for Efficient Report Generation:** I built a standalone Puppeteer project that facilitated the creation of HTML and EJS reports from JSON data. This allowed me to efficiently prototype and test report layouts and functionality before deploying them in a staging environment.
- **Implemented the EJS Templating System:** I utilized EJS for rendering the data into an HTML page, ensuring the dynamic generation of reports based on varying input data.
- **Optimized PDF Generation with Puppeteer:** I employed Puppeteer, a Node.js library, to automate a headless Chrome browser, taking a snapshot and creating a PDF of the locally hosted page. This optimized the report generation process, delivering significant time savings and workflow efficiencies.
- **Managed File Writing in Node.js:** I ensured the reliable storage of generated PDF reports by effectively managing file writing operations in Node.js.
- **Incorporated a Custom Currency Formatting Function:** I improved the readability and user experience of the reports by developing and integrating a custom formatCurrency function.
- **Integrated the Solution into Symply's Backend Processes:** I seamlessly incorporated this solution into Symply's existing backend systems, demonstrating my ability to design and implement practical solutions in a professional environment.
- **Performed Rigorous Testing in Multiple Environments:** I undertook rigorous testing of the system in both personal and professional settings, ensuring its robustness and reliability before live application.

LaowaiTrip.com -- <https://github.com/jrig95/LaowaiTrip>

- Spearheaded the development of an innovative website aimed at addressing the accommodation uncertainty faced by foreigners in China, fulfilling both Project Manager and Developer roles.
- As a hands-on leader of a 4-person team, contributed extensively to both backend and frontend development, ensuring a high-quality, user-centric product.
- Designed and implemented a data scraper using the Watir gem, compiling data from platforms like trip.com and Feizhu to generate a comprehensive list of accommodations accepting foreigners in various Chinese cities.
- Expertly used Ruby on Rails and PostgreSQL to create and manage an efficient database, facilitating seamless data transactions and enhancing the website's performance.
- Implemented the Cloudinary Upload API for image storage, ensuring smooth and consistent display of visuals throughout the platform.
- Incorporated the Devise tool for robust user authentication and login, bolstering the security of the platform.
- Leveraged the Ruby ERB templating system to display backend data effectively, and used Bootstrap to style a responsive and visually appealing frontend.
- Took full responsibility for deploying and testing the website in a production environment using Heroku, demonstrating proficiency in deployment tools and testing methodologies.

FitFam Miniprogram -- #小程序://FitFam/FitFam/MNUVaR4AOB1vk6a

- Addressed a key issue within the Fitfam MiniProgram which was related to the persistent use of an outdated API, wx.getUserInfo, and a problem with user avatars remaining constant after initial sign-up.
- Proactively updated the MiniProgram codebase, transitioning from the deprecated API wx.getUserInfo to the latest version, wx.getUserProfile.
- Through this API update, I obtained the path to the user's new avatar image, enhancing user profile accuracy and authenticity.
- Engineered a user-focused solution that allowed users to refresh their avatar picture. This solution included a function that triggered a pop-up prompt for WeChat information reauthorization upon clicking the avatar.
- Post authorization, the function ensured the immediate display of the updated avatar picture, enhancing user interaction and experience.
- Incorporated async/await functions in the codebase, resulting in a simplified structure and improved readability, thus demonstrating a commitment to maintainable code practices.