

Robert Weeden

AI Automation Engineer

Madison, Wisconsin
hello@robertjw.dev
github.com/weedenrj

I build web products and automate how software gets built. My work connects business requirements, codebases, and AI workflows to reduce repetitive work and make systems easier to maintain. Developing software since July 2021.

EXPERIENCE

- Vally**
Staff Software Engineer

Current · Full-time

 - Joined as the second engineer. During my tenure, the platform grew from about two customers to nearly 500 businesses.
 - Build business management software on a three-engineer team, including scheduling, booking, payments, and customer tools.
 - Develop features, investigate bugs, and improve developer systems, with a focus on coding-agent workflows and simplifying the codebase for automation.
- Tesseract Corporation**
Senior Full-stack Engineer

Previous

 - Built web applications for Vally Pro and Eternity RPG, with responsibility for client-side stability, performance, design, and features.
 - Implemented Next.js pages, browser caching and storage, and progressive web app capabilities. Turned business requirements and user feedback into application improvements.
- Sage Labs**
Junior React Engineer & Co-founder

Jul 2021 - Jun 2022

 - Built web applications and smart contract integrations on Ethereum and Stacks. Planned, developed, tested, and delivered contracted web projects.

SELECTED WORK

- The Red Shed**

Small business website with a content management system so owners can update hours, menus, and promotions.
- Brodhead Aviation**

Small business website for an aircraft restoration and maintenance company.
- Eternity RPG**

Browser game built with a small team using React, Redux, and Phaser.

TECHNICAL EXPERIENCE

- | | |
|-----------------|--|
| Automation | AI-assisted development, coding-agent workflows, workflow automation |
| Web development | TypeScript, React, Next.js, Tailwind CSS, Redux, Phaser |
| Integrations | REST APIs, OAuth, progressive web apps, browser caching |

EDUCATION

- University of Wisconsin Oshkosh**
B.S. Computer Science

May 2022