FULL STACK ENGINEER

# Adrian Valenzuela

## PROFILE

I am a **Full Stack Engineer**, **open-source contributor** and **Bridgetown core member** with experience designing, building, and deploying scalable web applications from the ground up. I specialize in **system architecture, feature development, and performance optimization**, ensuring seamless user experiences and maintainable codebases.

Currently I am:

- **Building a React CMS for Bridgetown**, enhancing content management for static site generators.

- **Developing a ViewComponent library for Rails**, streamlining UI development and reusability.

- **Maintaining a technical blog** at mugenruby.com, sharing insights on web development and open-source contributions.

- **Created CentralCoastClassifieds.com,** a regional online listing marketplace.

- **Building A Star Wars-themed recipe website**, built with React and a Rails API.

I thrive on solving complex technical challenges, contributing to open-source communities, and building products that make an impact

## EXPERIENCE

FULL STACK ENGINEER, UPAUSA, REMOTE – 2024-PRESENT

**Led development** of a peer-to-peer rental marketplace, enabling seamless transactions between renters and sellers.

**Integrated Stripe Connect**, ensuring secure and compliant seller payouts, enhancing trust and financial transparency.

**Developed a dynamic live chat system** with real-time updates, email reminders, and read receipts, improving user engagement and communication.

**Implemented location-based search** using Google Places API and OpenSearch, optimizing search accuracy and improving user experience.

**Built a calendar-style booking system**, incorporating confirmation settings and a secure payment workflow, streamlining the rental process and boosting conversion rates.

## FULL STACK ENGINEER, NJMLS, REMOTE – 2023-PRESENT

**Developed an end-to-end online application process**, streamlining membership onboarding for a real estate listing service. Enabled applicants to complete applications, make payments, receive automated status updates, and digitally sign documents–reducing manual processing time and increasing efficiency.

**Enhanced administrative workflows** by building a robust management interface for staff, allowing them to filter applications, update statuses, request additional payments and signatures, and generate event links for seamless communication.

**Automated PDF generation and document workflows**, integrating callbacks, API calls, and email notifications, ensuring timely processing and delivery of signed documents via email or the UI.

**Implemented seamless digital signing via DocuSeal**, including automated PDF pre-filling, signature request handling, and webhook-based status tracking–improving compliance and reducing paperwork.

**Integrated Stripe Checkout for secure payments**, dynamically generating custom line items, handling redirects, and automating payment confirmation processes, increasing revenue efficiency.

## FULL STACK ENGINEER, FIRM STUDIO – MARCH 2023-JUNE 2023

**Developed a custom questionnaire builder**, enabling users to create and manage dynamic surveys with structured question organization, improving data collection and user engagement.

**Translated Figma designs into a seamless user experience**, ensuring the final implementation aligned with UI/UX specifications and business requirements.

**Optimized frontend interactivity using Hotwire**, leveraging Turbo Frames and Turbo Streams to deliver a fast, real-time user experience without excessive JavaScript.

**Implemented dynamic UI behaviors with Stimulus JS**, allowing users to easily add and remove question fields, navigate survey tabs, and interact with modals–enhancing usability and flexibility.

**Designed and implemented a scalable data model from the ground up**, ensuring efficient database relations and future extensibility for the questionnaire system.

### FULL STACK ENGINEER, ARCHWAY RECRUITERS, REMOTE – FEBRUARY 2022-OCTOBER 2022

**Led the successful onboarding of a subsidiary company** onto the parent company's internal CRM, enabling recruiters to efficiently manage clients, post jobs, and email candidates.

**Optimized database performance**, reducing N+1 queries and decreasing database load, significantly improving system responsiveness.

**Enhanced infrastructure and email communication** by managing and configuring AWS S3 & SQS and migrating a legacy email system to ActionMailer and AWS SES, improving email reliability and scalability.

**Developed mobile-friendly email templates**, ensuring compatibility across major email clients and improving engagement rates.

**Modernized the tech stack**, aiding in the migration from Rails 4 to Rails 5.2, improving maintainability and security.

**Optimized multi-tenancy support**, enabling seamless integration of multiple subsidiaries into the CRM through schema-based separation.

**Increased application stability** by implementing unit and system tests using Spec, improving test coverage and reducing bugs in production.

**Streamlined company operations**, improving recruiter workflow efficiency and contributing to increased productivity and profitability.


### FULL STACK ENGINEER, SADDLEBOOK INC., REMOTE – AUGUST 2022-OCTOBER 2022

**Enhanced frontend functionality and user experience** by implementing modern UI components using Hotwire, StimulusJS, and ViewComponent, making the application more dynamic and responsive.

**Developed key interactive features** such as **slide-over menus, inline editing, and automatic input search,** streamlining user workflows and improving usability.

**Integrated TailwindCSS and ViewComponents** to create a **consistent, modern, and accessible UI**, aligning with the company's branding and design principles.

**Optimized form interactions with StimulusJS and Turbo Frames**, enabling seamless inline updates without disrupting the user interface, improving performance and engagement.

**Led UX improvements**, designing **color palettes, typography, and form components** to establish a cohesive visual identity and intuitive user flow.

**Translated mockups into production-ready code**, ensuring pixel-perfect execution and enhancing the overall aesthetic and usability of the application.

## SKILLS

- **Frontend Development**: HTML, CSS, JavaScript, ReactJS, StimulusJS

- **Backend Development**: Ruby, Python, PHP

- **Database & Query Optimization**: ActiveRecord, SQL, Redis, Relational Data Modeling

- **API Development & Integration**: REST, Webhooks, Stripe Connect, AWS S3/SES, Email Service Providers

- **Testing & Debugging**: Spec, MiniTest, Automated Testing, Error Monitoring & Debugging

- **Infrastructure & DevOps**: CLI, Git, AWS Services, ElasticSearch

- Strong **communication and listening skills**, ensuring alignment between technical implementation and user needs

- **Empathetic problem-solving**, prioritizing user experience in product development

- **Highly adaptable**, able to learn new technologies and pivot quickly in charging environments

- **Strong organizational and time management** skills, effectively balancing multiple projects and deadlines