

Efren Aguirre
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Personal Summary

Full-stack Rails web developer seeking a team that embraces agile methodologies, object oriented programming, and test driven development. Currently, as a senior engineer, I have 4 years experience both in freelancing and working in a team environment. I'm passionate about what I do and favor environments that allow me to grow as an engineer.

Experience

Teepublic - New York, NY
teepublic.com
Senior Engineer

June 2015 - Current

Core responsibilities consists of back-end development, working with elasticsearch, debugging site issues, and seo. Features and site improvements that I was responsible for: building merchandise filters and rebuilding search components integrated with elasticsearch, Rails 4 transition, coupon system, building an API with Grape. Additionally, I contributed to site optimizations, test suite refactoring, partner integration, and managing app services.

DreamItReel - New York, NY
dreamitreel.com
Full Stack Web Developer

May 2015 - June 2015

Implemented new landing page, fully equipped with mobile responsiveness thanks to Bourbon, Neat, and Flexbox and also addressed other cross-browser issues that were affecting the app. Refactored portions of the site that were underperforming and implemented new checkout process with stripe. Due to increased traffic, consulted scaling options with Heroku.

Inksy Inc. - New York, NY
inksy.co
Full Stack Web Developer

January 2015 - March 2015

Building ecommerce app for customized merchandise. Using Rails 4.2 with PostgreSQL for back-end while using Angular on the front-end for custom design tool. Custom design tool originally implemented for apache, mysql, and php, but was modified to be implemented with current rails app being built. Bourbon neat, sass, coffeescript, and javascript being the other main components used for the front-end.

Hashrabbit - San Mateo, CA
hashrabbit.co
Full Stack Web Developer

October 2014 - December 2014

Building analytics and monitoring system for Bitcoin mining rigs. Using Rails 4.1 with PostgreSQL for relational data and InfluxDB for time series data. Built a hypermedia api with grape to interact with firmware. On the front-end, Ember used with D3 to provide charts along with Bourbon and Neat to provide styling.

Seeds - San Mateo, CA / Brooklyn, NY

August 2014 - October 2014

playseeds.com

Full Stack Web/iOS Developer

Building analytics system that tracks user interaction in iOS apps. System built with Rails; Redis used for metrics; and Grape used for api. Dashboard on front-end built with Bootstrap 3.

Implementing interstitial ads for app that we are partnered with. Ad implementation requiring no SDK, external dependencies, and as little code as possible.

Setapick Labs - Atlanta, GA

June 2014 - July 2014

gotoleaf.com

Technical Writer

Writing blog posts for Setapick Lab's Tealeaf Academy Blog. Posts consist of comprehensive coverage of Rail's topics for beginners.

Published:

<http://www.gotealeaf.com/blog/the-detailed-guide-on-how-ajax-works-with-ruby-on-rails>

Ivvi Publishing - Bryn Mawr, PA

April 2014

Front-End Developer

Completed phase 1 of the beta-invite landing page. I was given a psd and was asked to start building a Rails app using Bootstrap 3, Postgresql, and Heroku. This phase also required that I setup the db for the beta-list and provide the ability to grant permission for beta-invites.

Dynamo - Montreal, CAN

January 2014 - February 2014

godynamo.com

Ruby Engineer

Worked throughout January and February helping out with their backlogs. I worked primarily on two Spree apps: bluebottlecoffee.com and quarterly.co. Some of the major issues that I worked on was providing site admins the ability to manage customer credit cards, manage addresses to paid subscriptions, and provide various reports regarding product performance. I also helped with various troubleshooting issues regarding front-end functionality.

Projects

Nested Accordion Survey

June 2014

<http://nested-accordion-survey.herokuapp.com>

<https://github.com/countxyz/Nested-Accordion-Survey>

A Rails single page survey demo aiming to provide an intuitive, simple, yet dynamic interface whilst displaying complex nested hierarchical data at a glance.

Rails FullCalendar 2 w/ bs3

May 2014

<http://rails-fullcal2-bs3.herokuapp.com>

<https://github.com/countxyz/rails-fullcal2-bs3>

This is an app implementing Adam Shaw's new FullCalendar 2 in Rails. The goal of this app is to provide the community with an implementation that follows Rails conventions and is easy to implement. In other words, I want to provide a reliable options for Rails devs who need an interactive calendar but are afraid of Javascript.

Harmonize

November 2013 - April 2013

<http://harmonize.herokuapp.com>

<https://github.com/countxyz/harmonize>

A CRM (Client Relations Manager) that aims to help freelancers and start-ups manage projects, contacts, and leads.

App uses Postgresql 9.3 and is hosted on Heroku. On the front-end, I'm using HTML5/Haml/CSS3/SASS for markup. For javascript, I'm aiming to incorporate as much OPAL as possible, but don't shy away from coffeescript, javascript, and jQuery when needed. I'm also focusing on limiting the need for user navigation as much as possible, so a lot of ajax is starting to be introduced to provide more functionality on fewer pages.

NYC Code Browser

July 2013 - September 2013

https://github.com/countxyz/nyc_code_browser

Provides a new data visualization interface to ease user navigation of 30,000 laws from the New York City Administrative Code site. Browser inspired by the Open Law DC project.

- Created 2 JSONifiers, using Nokogiri, that were responsible for crawling and scraping administrative code site.
- Project used to learn Javascript, jQuery, D3.js, node.js, and AngularJS.

MastaMindzLLC

May 2013 - June 2013

<http://www.mastamindzllc.com>

<https://github.com/countxyz/mastamindz>

Built site to incorporate modern web design, functionality, and user interaction.

- Designed responsive UI with Zurb Foundation 4.
- Developed Ruby on Rails-based app and deployed using Heroku.
- Consultation & implementation on new web infrastructure, domain name service

and hosting.

- Consulted owners regarding site operations, increasing site traffic, and improving marketing performance.

Network Engineering Research (Hobby)

2012 (8 months)

Learning and exploring network engineering as a hobbyist.

- Protocols and concepts learned during this time frame: OSI and TCP/IP models, Subnetting, DNS, DHCP, ARP, IPv4, IPv6, NAT/PAT, WLAN, VLAN, STP, RIPv2, OSPF, EIGRP, ACL, PPP, WAN, Frame Relay.
- Used software such as Cisco Packet Tracer and GNS3 to explore different versions of Cisco IOS and as a platform to execute proof-of-concept work. Software was also used for network design.
- Learned to use Wireshark for techniques such as port mirroring (tapping the wire) and to troubleshoot common enterprise network failure with a focus on DNS.

Network Security / Hardware Hacking / Linux (Hobby)

2006 - 2010 (4 years)

Began to take my interest in computer sciences seriously and was fascinated on making computers do things they were not intended to do.

- Hacked Playstation 3 and implemented a dual boot with Fedora 3.
- Began using software such as Aircrack-ng, Kismet, John the Ripper, rainbow tables, and Wireshark to penetrate WEP, WPA, and WPA2 networks.
- Learned port scanning with Nmap to detect vulnerabilities while limiting my digital footprint on the network.
- Used ASM to write shell scripts and deliver payloads with Perl with the aim of gaining complete system control of Windows XP and 7.
- Examined the efficiency of SSL protocol with sslstrip. Experimented with this on different sites and on a range of SSL certificates.
- Learned basic System Administration skills by having to set up various OS environments and at certain patch levels.

Education

Stony Brook University, Stony Brook, NY

2005 - 2006

BA in English - American Literature, British Literature and Modern Literature
GPA: 3.7/4 (Scholarship for GPA status) / Coursework for major at Columbia University