

# Clinton Judy

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<http://judy.github.io>

*I've been a Rails developer for the last 8 years, but I've been programming my entire life. I love the practice of software craftsmanship, and I strive to amaze every client I work with. I'm the author of several small Rails libraries, including [Kanina](#) for RabbitMQ messaging and [Artful.ly](#) for event ticketing. I'm currently learning Elixir (with Phoenix) and Elm, and would love to start building open-source libraries in both!*

*I am actively looking for a full-time senior/team lead position, in full-stack web development or developer operations.*

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## Technical Skills

**Likes:** ruby-on-rails, elixir, phoenix-framework, elm, postgresql, redis, reactjs, d3.js, gis, html5

**Dislikes:** cgi

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## Experience

### Senior Web Developer – EFC Systems

February 2016 – October 2016

python, javascript, cgi, postgis, vuejs, bigdata

- Designed and developed a dashboard with Javascript and D3 to quickly convey pertinent information concerning precision agriculture.
- Fixed a multitude of bugs within a 10+ year old codebase, building a full-stack testing system to automatically watch several ancient error-prone areas.
- Overhauled user authentication, bringing it up to speed with modern encryption standards.
- Designed and developed several front-end tools, including a parallel-computed [variable rate irrigation pivot zone tool](#) (VRI), and a fertilizer blend tool calculator using [linear programming](#).

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### Senior Rails Engineer – Agrian, Inc.

November 2013 – January 2016

ruby, rails, postgresql, postgis, html5, css3, rabbitmq, redis, open-source, bigdata

- Designed and implemented several major service-oriented applications for the precision agriculture industry.
- Devised programming strategies for handling wide variety of raw file data formats.
- Optimized code for handling big data problems (100 million rows per month).
- Rewrote legacy code to distribute work and reduce load (100s of workers, 100,000s of jobs daily).

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### Open Source Lead – Fractured Atlas

May 2012 – October 2013

ruby, ruby-on-rails, javascript, mysql, haml, user-experience, rails-engines, open-source, angularjs

- Worked on [Artful.ly](#), a system for managing customers and selling tickets online.
- Turned the majority of Artful.ly into an open source Rails engine for use by other organizations.
- Developed a discount system for promoters and customers when selling and buying tickets.
- Developed advanced searching and list segment features for organizing customer lists.
- Overhauled the sign up and sign-in flows for Artful.ly, increasing conversion rates.

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### Contract Web Developer – Copious

February 2012 – April 2012

ruby, ruby-on-rails, javascript, rspec, redis, mysql, postgresql

- Worked on [VIE Sports](#), a social networking site for athletes.
- Created the achievement system, rewarding users for actions taken throughout the site.
- Developed the “wall”, a feed of your comments, competitions entered, scores, friendships made, and even more.
- Developed privacy controls, so you get to control which people get to see which things you've done.
- Cleaned up a large amount of outdated and broken tests, so we were able to deliver a codebase with 100% of tests passing and nearly complete code coverage to the client.
- Designed other parts of the UI, including score entry and location search.

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**Web Developer** – West Arete Computing  
ruby, rails, html, css, coffeescript, javascript

February 2009 – October 2011

- Estimated, designed, developed, and launched websites out of several experimental technologies and ideas with MIT, Penn State, the DOT, and the Marine Biological Laboratory.
- Project lead on websites for several high-profile companies in Centre County.
- Represented the company at networking events.
- Assisted the hiring process for new employees.
- Respected for my opinion with the direction of the company.

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**Web Developer** – CWS Web Services  
powershell, ruby, rails

November 2008 – January 2009

- Developed a tool to manage virtual machines and application sequencing.
- Installed, configured, networked, and supported hardware for local businesses, including a 40+ thin-client installation at a free health clinic.

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**Web Developer** – Glenn O. Hawbaker, Inc.  
ruby, rails, flex, asp.net, html, css

August 2007 – November 2008

- Developed applications to assist with company roles, including resume management and production scheduling.
- Created and maintained the company intranet.
- Updated the [public website](#).
- Repaired and installed computers and networking equipment at various remote locations throughout Pennsylvania and New York, including an airport control tower.

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**Graphic Designer** – Menu Master  
illustrator, photoshop, indesign

February 2007 – May 2007

- Designed eye-catching menus, place-mats and takeout menus.
- Communicated with 14-20 listed advertisers per project to ensure each advertiser was happy with the layout of their completed design.
- Collaborated with the company's print shop for project receiving and proper color matching.

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**Web Developer, Graphic Designer** – Freelance  
adobe-illustrator, html, css, photoshop

October 2004 – February 2007

- Designed a variety of graphic and web designs for local businesses and non-profit organizations, including a newspaper flyer for a muzzleloader supply store, a menu for a local diner, websites for student organizations, and wall flyers for student-run events.

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## Education

**Graphic and Online Design, Computer Science** – Lock Haven University of Pennsylvania  
c, c++, compilers, oop, graphic-design, fine-arts

2004 – 2007

- Fine Arts Society - 2 years
- Ultimate Team - 2 years
- Improv Team - 3 years
- Cantori (Choir) - 3 years

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## Projects & Interests

**GitHub - Kanina** – <https://github.com/judy/kanina>  
ruby, rabbitmq

February 2015 - June 2016

A Rails plugin for easily sending and receiving messages with RabbitMQ.

I wrote this library from scratch to simplify message sending/receiving, from Rails to RabbitMQ. It's currently being used in a production environment, handling thousands of messages daily.

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**GitHub - Artfully OSE** – [https://github.com/judy/artfully\\_ose](https://github.com/judy/artfully_ose)  
ruby, ruby-on-rails, javascript

February 2013

Open-source Rails engine to help you sell tickets, take donations, and track fans.

I was the open source lead on this project.

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**GitHub - karma-server** – <https://github.com/judy/karma-server>  
ruby, ruby-on-rails, cucumber, rspec, html5, css3

February 2012

A RESTful API for tracking “karma” points of users across several separate websites.

I was a primary developer on this project.

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**GitHub - Lifeviz** – <https://github.com/judy/Lifeviz>  
ruby, ruby-on-rails, cucumber, rspec, html5, css3, protovis

February 2012

A macroscope, that expands your field of view across the tree of life and enables you to find trends in longevity data.

I was the project lead and primary developer on this project.

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**VIE Sports for iPhone 3GS, iPhone 4, iPhone 4S, iPod touch (3rd generation), iPod touch (4th generation) and iPad** – <http://itunes.apple.com/us/app/vie-sports/id502147014?mt=8>  
objective-c, ruby-on-rails, rspec

Compete against your friends virtually, using your own real-life stats and scores.

I developed new functionality for the website to match existing functionality on the iPhone app. I also helped create the APIs for some of the major features on the iPhone app.

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## Tools

**First Computer:** IBM 486 PC. 350MB HDD! I thought I'd never fill that space.  
**Favorite Editor:** Atom. Still handy in vim on any given server.