

## JONATHAN S. LINOWES

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### PROFILE

**Professional software developer and product manager** with over 20 years hands-on entrepreneurial experience. Expertise with a broad range of software and Internet technologies, including Ruby on Rails, jQuery, and Cucumber.

I solve real world problems with practical yet elegant user-centric solutions based on business priorities. I subscribe to agile, behavior driven (BDD), TATFT, DRY, progressive enhancement, “Don't make me think”, and open source approaches to software development. I love to love my work.

### TECH SKILLS

*Recent technical experience and skills include:*

- Ruby on Rails since 2007 (version 1.x) as my principal language and framework (prior work in Php, Java, and C++), active member of the Rails community and technical ecosystem.
- Extensive experience with jQuery javascript framework, including JQuery UI and numerous plug-ins.
- Expertise with SQL databases (including mySQL, Postgres); experience with no-SQL databases (MongoDB, CouchDB); cloud-based (Amazon AWS); import/export/data processing; and text-based data stores (CSV, YAML, XML). Knowledge of query optimizations, data compression, and encryption.
- Authentication and authorization frameworks (including devise, authlogic).
- Visual presentation of quantitative information (including Google visualization chart api, Google maps api, and javascript graphing libraries).
- Ecommerce frameworks including ActiveMerchant, and gateway services (Authorize.net, Braintree)
- Advocate of test and behavior-driven development (BDD), including Rspec (behavioral unit testing) and Cucumber (plain text executable user scenarios). My projects average 1:1 code to test ratios.
- Expertise in various CSS and HTML templating frameworks (including SASS/SCSS, Compass, HAML, simple\_form/formtastic, Themroller). Worked with HTML5, CSS3, and jQuery Mobile.
- Practical practitioner of agile development processes including iterative design/development with rapid customer feedback.
- Strong experience in hosting (including cloud-based (Heroku), virtual private servers, linux/unix/osx); deployment (Capistrano); and revision control (git, SVN)

## PARKERHILL CLIENT PROJECTS

*A sample of recent client-driven products and projects*

### REVIEWRAMP

*Owner, senior architect, principal developer, system admin*

**Business collaboration service for managing online submission and review processes.** A complete set of online tools for building custom forms and web pages, collecting submissions into a database, inviting reviewer members, and collecting reviewer scoresheets and comments.

<http://reviewramp.com>

### WINDACTION

*Senior architect, principal developer, system admin*

**News and document library for an educational non-profit organization.** Website for Industrial Wind Action Group continues to draw over 5,000 unique visitors daily, contains tens of thousands of articles, documents and multimedia.

<http://www.windaction.org>

### CARESHARE

*Senior architect and principal developer*

**Private secure social network for children with medical disabilities.** Crotched Mountain Foundation's prototype online community for medical home-care families and caregivers.

<http://www.careshare-cmhi.org>

### ALUMBIZ

*Senior architect and principal developer*

**Business-to-business community for college alumni** provides a social network and business directory rolled into one. Includes personal profiles, business profiles, and advertising.

<http://www.alumbiz.com>

## OPEN SOURCE PROJECTS

*A sample of recent open source projects*

### FORMTASTIC RENDERER

**Replaceable render engines for Formtastic.** a refactor of the Formtastic plugin to accept replaceable render engines, including ERB, HAML, and custom.

code: <http://github.com/linoj/formtastic>

article: <http://www.vaporbase.com/postings/212>

kudos: "You sir, are a genius. Love your work! Thank you, thank you, thank you."

### GRIDIFY

**A Ruby wrapper and Rails plugin for jqGrid.** jqGrid is a rich featured data grid built with the jQuery javascript library. Gridify defines a simplified, more consistent API for jqGrid rather than directly emulate the jqGrid api and options in Ruby.

code: <http://github.com/linoj/gridify>

article: <http://www.vaporbase.com/postings/210>

kudos: "Thanks for the awesome work."

**SAASRAMP**

**Software as a service (SAAS) plugin.** Rails plugin enables subscription billings in your application. Built on top of the popular ActiveMerchant plugin.

code: <http://github.com/linoj/saasramp>  
article: <http://www.vaporbase.com/postings/201>  
kudos: "Great plugin"

**IWAFETCH**

**News gathering utility.** Collects and caches news search results hourly from Google News and other sources for later review.

code: <http://github.com/linoj/iwafetc>  
kudos: "Does exactly what I need it to do."

**HUSAGE**

**Satellite internet usage utility.** Free service for tracking HughesNet satellite internet service usage, reports, notifications.

code: <http://github.com/linoj/husage>  
article: <http://www.vaporbase.com/postings/197>  
kudos: "AMAZING! Thank you so much... This is truly a godsend. Thank you thank you thank you."

**EMPLOYMENT HISTORY**

**M2S INC.**  
WEST LEBANON, NH  
(2011 – present)

*Senior Software Engineer*  
Technical lead, software architect, mentor, and agile developer primarily using Ruby on Rails, for medical data management.

**PARKERHILL TECH**  
LYMAN, NH  
(2002 – present)

Contract programmer specializing in Ruby, Rails and related web applications development. Active member of the Ruby on Rails community since 2007.

**SYNTREX CORP.**  
MANCHESTER, NH  
(1998 – 2002)

*Customer Engineer*  
Technical operations and support manager for Internet security software company. Customer advocate and on-site troubleshooter for enterprise software.

**AUTODESK CORP.**  
Bedford, NH  
(1994 – 1998)

*Product Manager, Data Management Division*  
Software developer and team leader of the Autodesk View family of software products for engineering firms.

**SIRLIN CORP.**  
Londonderry, NH  
(1987 – 1994)

*Software Developer*  
Built leading computer-aided design (CAD) collaboration tools for engineering teams. Acquired by Autodesk in 1994.

**EDUCATION**

- Massachusetts Institute of Technology (Cambridge, MA)  
*Master of Science, 1985*
- Syracuse University (Syracuse, NY)  
*Bachelor of Arts, 1979*