



# Isaac Sloan

Software Architect

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## SUMMARY

Code is an artform. I am an artist. I try to be the best Rails Developer, Photographer and Musician I can be. In nearly 12 years of professional experience I have learned to plan and lead projects, by detecting conceptual problems early and avoiding traps that could limit future modifications. Other occupations include Photography, Songwriting and Performing, Amateur Radio, Model Aircraft Programming/Flying, and Hiking.

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## EXPERIENCE

*Artisan Rails Architect, Ring Seven Software*  
Provo, Utah — 2014-present

Ring Seven is a software shop that has the advantage of supporting existing Rails/iOS/Android apps as well as completely new projects. This allows me to play with many of the exciting new trends in the Rails community.

### Accomplishments

- Established standards for team on TDD, authorizations, naming conventions, git workflow and technology stack.
- Converted existing apps to engines to resolve maintenance problems caused by cloning the same app multiple times and restyling.
- Helped train a brand new team.
- Created searches for large groups of data using new advances in Sphinx
- Managed interactions between remote and local teams.

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## EDUCATION

Dixie State University,  
Bachelor of Science CIT CS,  
2006

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## SKILLS

Ruby on Rails (All Versions)  
MySQL, Postgres and MongoDB  
HTML and CSS  
Javascript, JQuery and Prototype  
Git, Subversion, CVS, Mercurial  
Project Management  
Minitest and Rspec  
Full Stack DevOps (AWS and Local)  
Sphinx Search Engine  
Object Oriented Programming (OOP)  
Regular Expressions  
Vim, Atom, Sublime  
SEO of code vs spamming forums  
Nginx, Passenger, Puma, Thin  
Crystal, C and C++  
Java  
Python, Perl, Zsh and Bash  
Photoshop and Illustrator



## *Senior Rails Engineer, dHybrid Systems*

St George, Utah — 2012-2014

dHybrid Systems is a company that converts waste disposal fleets for entire counties to run on Natural Gas. The company has recently been acquired by Worthington Industries. My job was development of the website which managed orders and workflow of builds, as well as keeping track of revenue and billing.

### **Accomplishments**

- Developed an easy to use authorization system to manage many overlapping roles.
- Switched over to minitest.
- Performed all the photography work for the site.
- Learned to fill the full stack devops role
- Developed a long term monogamous relationship with Vim

## *Rails Consultant, Endevr*

St George, Utah — 2012-2013

LifeStrength is a company that sells ionized wristbands, watches and identification bands. Most of their sales are online through a rails 3.0 site. Trained most of their current rails team.

### **Accomplishments**

- Created a new site called myidband.com for their new product. I decided it was better to make a new site rather than adding it onto the old because it was very important that this site be fast and reliable since it would be accessed by emergency personnel.
- Programmed lifestrength.com to use other layouts and display different products when accessed through strengthtape.com.
- Optimized their database by adding indexes and rewriting slow queries.
- Switched to Vim as my default code editor.

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## REFERENCES

Available Upon Request



## *Senior Rails Engineer, Upillar.com*

St George, Utah — 2007-2012

Development for the classifieds website upillar.com, using Ruby on Rails, Sphinx, and MySQL/MongoDB, and conducting research, prototyping and benchmarking potential service offerings.

### **Accomplishments**

- Used Sphinx to create advanced search for over 1 million listings with multiple category and category specific field filters and ranges.
- Used a Soap service to validate users authenticity.
- Used Faye, (Private\_Pub) push notifications for live chat and auctions (thousands of bids during Glenn Beck charity auctions) in 2011.
- User-Agency Authentication and Administration
- Tree system capable of handling 500,000+ nodes without slowing down on reads or writes. Handled listing search and create with over 1.7 million hits a day during national campaign.
- Mysql query optimization.
- Switched the entire company from Subversion to Git in 2009

## *Rails Consultant, IBCS Corp*

St George, Utah — 2011

Consulted for local software firm. Helped to upgrade multiple projects from legacy apps to Rails 3.0.

### **Accomplishments**

- Developed video upload and encoding for online dating site using ffmpeg 0.9.1x
- Extensive practice debugging legacy code.
- Learned and used Capistrano 2



### *Java Web Developer, Quickset-IT Framework*

St George, Utah — 2004-2005

Worked with a Java Framework to develop multilingual web page for chemical company in Japan.

#### **Accomplishments**

- Learned to optimize Postgres DB which is a skill that has been very useful to me since although I primarily use mysql now.
- Was introduced to some of the ideas of multilingual programs.
- Became familiar with the concept of web frameworks.

### *Rails Developer, Stonefly Technology/Moki Systems*

City, State — 2005-2007

Stonefly technology is a software/hardware company that specializes in measuring water levels, temperatures, etc. During my time there I changed some old projects to Rails and wrote a few new ones. I became proficient in Regex which is still one of my favorite subskills.

#### **Accomplishments**

- Water metering and graphing using Ruby on Rails and GNU Plot.
- Local for sale by owner site. Learned to parse MLS CSV files in Ruby.

### *Computer Tech and Programmer, KCYN Radio*

Moab, Utah — 2003-2004

Kept computers working, updated and networked.

#### **Accomplishments**

- Wrote a Java program to insert ads from an ftp feed into the correct ad spots on live radio.
- Got to DJ on a 30 thousand watt radio station.

