James Young

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Work Experience

SRE for Imgix - *July 2018 - current*
- building and operating the core rendering stack
- maintaining legacy systems
- helping migrate and build out new rendering stack
- gathering and writing docs & runbooks
- maintaining and building out monitoring (alerts and dashboards), scripting and automation, testing

Various roles for Cloud Foundry at Pivotal Labs - *September 2015 - September 2017* **Developer for Cloud Foundry** - *May 2015 - September 2017*
- Worked on design and implementation of cross-deployment communication, including inter-VM status checks

Cloudops for Cloud Foundry - *November 2015 - May 2017*
- The role is like SRE, or DevOps with more emphasis on automation tooling.
- Maintaining Pivotal Web Services, running 800+ VMs and 100,000+ containers
- Building automation tooling for testing and updates, providing zero-downtime deploys, without customer impact
- Troubleshooting a distributed architecture - including root cause analysis, and offering feedback to product teams
- Bootstrapping and documenting CF on a then-new-to-us IAAS, Azure

Toolsmiths for Cloud Foundry - *September - November 2015*
- In operations, supporting Cloud Foundry teams.
- Maintaining and providing environments within OpenStack, VMWare, and AWS

Technical Analyst for Spencer Technologies at The Gap - *June 2013 - November 2013*
- Aided with migrations, by remotely troubleshooting Linux servers from the command line
- The project enabled nightly rollouts of functionality, more robust machines, and remote troubleshooting.

Developer for ICCT - *2011*
- Modeled annual aircraft emissions across Japan
- Gathered flight information covering the globe

Skills & Expertise

Languages - Ruby, Ruby on Rails, Varnish VCL and VTC, JavaScript, jQuery, SQL, HTML, CSS, Perl, shell scripts, Markdown, MediaWiki markup, a little Go
Other software - Cloud Foundry, Pivotal Cloud Foundry, Concourse, BOSH, Squid (web proxy), Apache, nginx, git
Operating Systems - Linux, Mac OS X, Windows, Solaris

Projects

Woofr - [GitHub,](#) [Live](#)
- Platform for sharing dog pictures, built on Ruby on Rails
- The single and multiple image pages fit the browser screen well
- Offers upgradable guest accounts, comments and tags

JSChat - [GitHub,](#) [Live](#)
- Chat from your browser, with multiple rooms, built on Node.js.
- Uses no plugins; uses HTML5 websockets via socket.io.

Theszies -
- Designing and building out various systems for [annual fan-chosen awards.](#)
- Built out gathering nominations, casting ballots [(demo),](#) tallying the weighted and ranked votes, highlighting potential ballot stuffing, and pulling out write-ins.

tarsnap-cron - [GitHub](#)
- Tarsnap's an offsite backup tool, lacking scheduling. I started from scheduling work by Tim Bishop and overhauled it.
- I separated the archiving and the pruning of old archives, moved the configuration from hardcoded values to files, and refactored the scheduling code, adding hourly backups.

Al'Rashad -
- Designed and built a [webcomic site](#)

Various webmaster tasks for Mightygodking -
- Identified and fixed many bottlenecks and problems with a website, making it far more robust and scalable
- Handled site migrations and set up automated offsite backups
- *See also Theszies and Al'Rashad*

RE:Vision Effects -
- Administrated, set up, & troubleshot network & hardware

Education

App Academy
- 12-week immersive web development course with 5% admissions rate

Truman State University - overall GPA 3.02
- BS in Computer Science (GPA 3.6), BS in Mathematics (GPA 3.3)
- General Honors

Activities

Audio / video archivist - Shooting, editing, posting video online
[Codeeval](#) - top 10% and top 5% for Ruby