

James Young

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Work Experience

- SRE for Imgix** - *July 2018 - May 2020*
- 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** - Varnish, 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](#) (under maintenance)
- 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