Jonathan “JJ” Asghar

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https://github.com/jjasghar \* http://jjasghar.github.io

**Objective:**

To work in a challenging company where I can take ownership of a portion of the product. I’m looking to work with a trustworthy team but at the same time able to work autonomously.

**Education:**  
Park University (Austin, TX) May 2010  
Bachelor of Science in Management/Computer Information Systems

**Skills (highlights listed):**

Linux and Unix system administration

Shell Scripting, bash, ruby, coffeescript

Infrastructure management and monitoring software: *chef*, nagios, ganglia, sensu, munin, puppet, graphite

Jenkins CI, vagrant, test-kitchen

Splunk and logstash+kibana

Apache/nginx and open source and enterprise passenger administration

Email server administration, postfix focused

Incident Management

Project Management

RCA investigation

Risk Management

Tomcat system administration

zfs, glusterFS, LVM management

Database Administration, postgres, MySQL, Percona

Routing/firewall/loadbalancer administration, Cisco, F5, Sonicwall

Network design

Trained CCNP, (but not certified)

LAMP administration

Basic Windows Server administration

**Awards received:**  
March 23, 1999 - Boy Scouts of America - Eagle Scout Award

**Accreditations and Licenses:**  
I have committed to the chef binary, knife-rackspace, written the Riemann cookbook, and many others please visit <https://github.com/jjasghar> for more details

I wrote a basic tutorial on chef that I called chef-book – https://github.com/jjasghar/chef-book

Comptia.org - A+, Network+, Linux+  
Patent Number 5,339,865 - Apparatus for compensating for variations in pressure exerted by a fluid within a container against the container

\* References available upon request

**Work experience:**

PeopleAdmin (Austin, TX) October 2012 - Present

Senior DevOps Engineer

I took over the backend support and infrastructure of a Rails Application. I redesigned the chef provisioning and converted the Rackspace Public cloud to the Rackspace Private cloud running all OpenStack. I also supported a small AWS infrastructure with chef, but mostly in Rackspace.

* Chef, lots of chef. I inherited a pre-built basic chef infrastructure and improved it to a point where Junior Admins can have confidence in PRs in against the chef\_repo
* Built a scalable elastic environment leveraging chef and Openstack, with automatic monitoring
* Built a CI system leveraging Jenkins – Chef – test-kitchen to test and cookbook changes
* Created multiple monitoring solutions using Splunk, graphite, sensu all via chef.
* Migrated from chef10 provisioning to chef11, and pushed to move to hosted chef
* Tweaked Passenger configurations to get the best throughput for my customers
* Converted the web stack to a multitenant infrastructure for scalability and redundancy
* Successfully moved my company to a “ChatOps” style system for basic tasks, leveraging hubot
* Wrote a hubot-chef wrapper so we can converge from our campfire instance
* Ported a Rails 2.x application on Windows 2k3 to Windows 2k8 R2
* Used and supported Capistrano as the deployment system, working towards Capv3
* Leveraged NewRelic day-to-day.

University of Texas at Austin (Austin, TX) March 2012 – October 2012

Software Engineer

My primary responsibility to run the Blackboard Infrastructure also included integration with the Canvas off site infrastructure and running the Footprints ticketing system.

• Day to Day maintenance of the Blackboard systems

• Puppetized the Blackboard systems

• Tapped to help run and design the git/puppet-izing of UT

• Tapped to start running the enterprise github replacement for UT forge

• Started to help design Puppetizing some of the Windows infrastructure

• Updated the Blackboard systems to 9.1 Service Pack 9 from 9.1 Service Pack 7

• Installed multiple “out-of-band” patches that are required for supporting Blackboard

• Created a “self-service” way to add “master-courses” in a very timely fashion

HP Cloud Services (Austin, TX) August 2011 – March 2012

Cloud Engineer and Incident Management

A 6 month contract that got extended 2 extra months then they decided not to extend it further. I received extensive Openstack exposure and experience.

• Daily Reporting of the Openstack clusters for management chain

• Daily monitoring of the Openstack clusters for infrastructure health

• Daily monitoring of the Openstack clusters for application level health

• Troubleshooting infrastructure and application issues as they arise

• Designing and building a proof of concept for our external customer experience monitoring

• Help onboard new employees during initial ramp up

• Ownership of internal communications for customer impacting Incidents

• RCA investigation

• General Incident Management for internal and external communications

Dell (via the MessageOne Acquisition) (Austin, TX) September 2007 – June 2011

Senior DevOps Engineer

* Subject Matter Expert for two products
  + Alertfind
  + Oneswtich
* Designed and implementing a DR and HA systems for my products
* Owned the production space for these two products