



Joseph Anthony Pasquale Holsten

Skills

Programming Languages

Significant experience with Ruby, Portable Bourne Shell and Go, Javascript. Some experience with C, PHP, C#. SQL, Java. Merely dangerous in Python, Scheme, M4, Perl, Haskell, Erlang, TCL and Awk.

Operations

Significant experience with Configuration Management (Chef, Salt, Ansible), HTTP Servers (Apache, Nginx), Package Management (Deb, MacPorts, Ruby Gems, RPM), Process Management (Upstart, Systemd, Monit) and Logging (RSyslog, Logstash, Loggly), Network Monitoring (Nagios, Server Density) and Rsync. Some experience with Firewalls (IPFilter, IPF), Relational Databases (PostgreSQL, MySQL, SQL Server). Merely dangerous with LDAP, VPN, Intrusion Detection and Single Sign On.

Web technologies

Significant experience with HTTP, REST, HTML, DOM and XML (incl. Namespaces). Some experience with CSS & SAX. Merely dangerous with RDF, SOAP and WSDL.

Operating Systems

Significant experience with UNIX (Debian, RHEL, OS X and Solaris). Some experience with Windows (NT 4 and 2000 admin, 2003 dev). Want excuses to play with Plan 9 and IBM i (née AS/400).

Software engineering

Significant experience with Model-View-Controller (Rails, Backbone, AngularJS), Test Driven Development (rspec, cucumber, xUnit), Continuous Delivery (Jenkins, Rake, Make) and Queueing (RabbitMQ, Redis pubsub, ØMQ). Some experience with Evented concurrency (Node.js). Merely dangerous with Key-Value databases and Document databases.

Experience

Infrastructure Engineer, Simply Measured

2014-02 – 2014-08

Infrastructure buildout, maintenance, and automation: Designed, built and maintained systems to run internal applications and support services. Maintained ~500 servers and ~50 internal applications, averaging a 150 server-to-admin ratio.

Metrics and reporting: Provided services for measuring and reporting performance and usage of internal applications.

Education: developed, maintained and trained in procedures for using infrastructure and internal support services.

Developed ~100 standard operating procedures and supported ~45 engineers.

Emergency response: developed and maintained on-call processes for engineering teams to respond to their respective application and infrastructure failures.

Developer, New Medio

2011-08 – 12-01

In charge of implementing CMS designs.

Founder, Operations Guy, Bitp.it

2011-02 – 2011-08

Developed, implemented fully automated deployments using git, chef

Ran a node.js service on a single no.de server handling over 400 requests per second

Ran a bitcoin mining pool at 100 GHash per second

Senior Engineer, Waterfield Technologies, Inc

2007-04 – 2011-09

Developed, implemented fully automated deployment strategies using VMWare, git, chef, and capistrano

Developed banking and energy sites using SharePoint, ASP.NET, Ruby on Rails

Automated testing, continuous integration site monitoring with Cucumber, RSpec, NUnit, CruiseControl

Developed a content publishing service with JSON, HTML & SOAP interfaces

Engineer, Mobicentric

2009-10 – 2010-08

Developed a mobile real estate listing service for real estate agents

Optimized a pure ruby RETS client to process ~6000 listings and ~60000 images per day on a single heroku worker

Web Programmer, Toydrum, Inc

2007-01 – 2007-04

Developed community item trading site using PHP, Zend framework

Implemented double entry accounting, folksonomies, event based messaging

Web Designer, DoubleShot Coffee

2006-09 – 2011-12

Developed their internet identity

Designed their blog with CSS, Blogger templates

Integrated with Flickr integration, Paypal integration

Site administration, [ASP](#), [PHP](#)

Web Developer, Thirst Wine

[2007-12](#) – [2008-03](#)

Developed content management site using Ruby on Rails
Implemented authentication, protected assets, email notifications
Converted table based design to [CSS](#)

Web Programmer, Midwest Publishing

[2006-01](#)

Converted paper based questionnaires to web forms using perl

Network Administrator, Christ United Methodist Church

[2003-06](#) – [2004-09](#)

Upgraded existing systems in software and hardware
Administered File, Printing, DNS, Active Directory Services
Documented existing service settings procedures
Completed 20 node Learning Lab Installation

Education

Computer Science, Oklahoma State University Tulsa, [OK](#)

[2005](#) – [2010](#)

Cisco Network Academy, Tulsa Technology Center, Tulsa, [OK](#)

[2002](#) – [2003](#)

Community

Contributor, [glibc](#)

[2014](#)

[\[commitdiff\]](#)

Contributor, [go](#)

[2013](#)

[\[commitdiff\]](#)

Contributor, [OASIS](#)

[2008](#) – [10](#)

[\[XRD\]](#)

Contributor, [IETF](#)

[2009](#)

[\[Disco, About:\]](#)

Technology Director, Tulsa Sharepoint User Group

[2006](#) – [2008](#)

Contributor, [OAuth Extensions](#)

[2008](#)

[\[Session, Language, Scalable\]](#)

Contributor, [Ruby on Rails](#)

[2008](#)

[\[XmlMini\]](#)

Organizer, Tulsa 2600

[2000](#) – [2008](#)

Eagle Scout, Troop 73

[2004](#)

Chief, Eagle District, Order of the Arrow

[2003](#)

Presentations

Saturday Night Disco on Monday Morning, DevOpsDays Austin [\[video, slides\]](#)

[2014-05-06](#)

Becoming Fearlessly Definite & Resourceful, ChefConf [\[video, slides\]](#)

[2014-04-17](#)

Services in Go: from Proof-of-Concept to Production, GolangVan [\[video, slides\]](#)

[2014-02-05](#)

Interests

Augmented Reality, Digital Contracts, Digital Reputation

Espresso, Cigars, Food, and Flavor

Community Organizing, Volunteering and Open Source

References

Available upon request