Joseph Anthony Pasquale Holsten

Skills

Programming Languages
Significant experience with Ruby, Portable Bourne Shell & Go, Javascript. Some experience with C, PHP, C#. SQL, Java. Merely dangerous in Python, Scheme, M4, Perl, Haskell, Erlang, TCL & 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) & Logging (RSyslog, Logstash, Loggly), Network Monitoring (Nagios, Server Density) & Rsync. Some experience with Firewalls (IPFilter, IPF), Relational Databases (PostgreSQL, MySQL, SQL Server). Merely dangerous with LDAP, VPN, Intrusion Detection & Single Sign On.

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

Operating Systems
Significant experience with UNIX (Debian, RHEL, OS X & Solaris). Some experience with Windows (NT 4 & 2000 admin, 2003 dev). Want excuses to play with Plan 9 & 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) & Queueing (RabbitMQ, Redis pubsub, ØMQ). Some experience with Evented concurrency (Node.js), Key-Value databases & Document databases.

Experience

Infrastucture Engineer, Simply Measured   **2014-02 – 2014-08**
   Infrastructure buildout, maintenance, & 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 & reporting: Provided services for measuring and reporting performance and usage of internal applications.
   Education: developed, maintained & 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, & capistrano
   Developed banking & 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 & ~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 & hardware
  Administered File, Printing, DNS, Active Directory Services
  Documented existing service settings proceedures
  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