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, HTTP Servers, package management, process management, logging & network monitoring. Some experience with firewalls & relational databases. 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, test driven development, continuous delivery & queueing. Some experience with evented concurrency, 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 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.

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

Further experience available upon request

Education

BS Computer Science, Oklahoma State University Tulsa, OK   2005 – 2010

Cisco Network Academy, Tulsa Technology Center, Tulsa, OK   2002 – 2003

Off-Github Contributions

Contributor, glibc   2014
[commitdiff]

Contributor, go   2013
[commitdiff]

Contributor, OASIS   2008 – 10
[XRD]

Contributor, IETF   2009
[Disco, About:]

Contributor, OAuth Extensions   2008
[Session, Language, Scalable]

Contributor, Ruby on Rails   2008
[XmlMini]

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 & Reputation

Espresso, Cigars, Food, & Flavor

Community Organizing, Volunteering & Open Source

References

Available upon request