

James Andariese | james@strudelline.net | 415-741-4157

Software Developer / DevOps Engineer

Experienced in team and independent development. Database design, data-driven web app development. Creating documentation and technical training. Sales engineering and supporting bid writing.

I have experience in the open source world beginning as a hobby in my teens and leading into a successful career as technical duct tape. I've worked with an abundance of technologies and thrive on gaining knowledge and applying it to problems. My experience dates back to the 90s with commits ranging from the relatively mainstream FreeBSD to the exceptionally obscure Emacs AIM client, TNT.

Tech Summary

<u>Systems</u>	<u>Programming</u>	<u>Tools</u>	<u>IP Standards</u>	<u>Web</u>	<u>IT</u>
Linux	Python	MySQL	HTTP/SSL	HTML	Cisco UC/Phones
(CentOS, OpenSUSE, Debian, Ubuntu)	Go	MS SQL	SMTP, IMAP	CSS	Dell, HP Servers
LVM, soft/hard RAID	Java (OCAJP7)	PostgreSQL	TCP/IP, UDP	XML, XSLT	iDRAC, iLO
FreeBSD	C, C++, C#	SQLite	SIP, IAX2	Google Apps	Graphite
Windows 2k3/8,XP,7	Bash	AD/LDAP	DNS	Office365/BPOS	Asterisk
AIX	LISP, Clojure	Consul	SNMP	Plone/Zope	FreeSWITCH
ESX, ESXi	PHP	Tomcat	FTP	Sharepoint	Switchvox
Hyper-V	CUDA	JDBC	TFTP	Apache, IIS	iOS Management
KVM	Tcl/Tk	Eclipse	PXE, WoL	WSGI	(Zenprise)
Xen	JavaScript	CVS, SVN	REST	Sendmail	Chef, Fabric
Docker	jQuery, GWT	Mercurial, Git	XML-RPC	Postfix	Ansible
	PowerShell	GNU Toolchain	iSCSI	Spamassassin	Nagios, Icinga

Employment History

Senior DevOps Engineer

Radius Intelligence

2015-Present

Linux (Ubuntu, Amazon), AWS, Nginx, Python, Go, Java, Redis, PostgreSQL, Git, DNS (Route53), Consul, Datadog

- Create a library (nsswitch plugin) and HA Okta synchronizer for per-user SSH login with sync to Okta
- Create a rapid S3 enumerator to support encrypting all items using SSE
- Deploy Consul cluster with A/B failover support using Terraform
- Consult with teams on application of SOC2-related policy rollout
- Backfill automation of existing apps
- Create AMIs with Packer to establish a common base for applications using Docker, Consul, and other ubiquitous tools
- Create datadog integrations for CloudWatch, PostgreSQL, and Codahale Metrics
- Implement Continuous Deployment using semi-immutable base servers, Docker, and Upstart

Lead DevOps Engineer, SRE Lead

Location Labs

2012-2015

Linux (Ubuntu), Apache, Nginx, Python, Go, Fabric, Ansible, Java, Redis, MySQL, ESXi, Git, JavaScript, DNS (BIND & Windows), SNMP, Nagios, Graphite, Consul

- Led DevOps and SRE teams
- Write automated virtual host creation, application deployment, and database migration scripts for complex environments using Fabric and Ansible
- Write applications required for Operations support
- Write a REST API for load balancer (LVS)
- Create holistic, automatic monitoring framework based on Consul and Nagios allowing individual teams to monitor their own products without intervention
- Enable metric generation for legacy and new systems
- Develop plugin for Net-SNMP for easily monitoring of custom software using Go and Python.
- Communicate with tier 1 wireless carriers on application and system design
- Collaborate with tools team on application development

Systems Administrator, Developer

Ahtna Technologies

2012

Windows, Linux (Debian and Ubuntu), DNS (BIND & Windows), SMTP, IMAP, SharePoint, WebDAV, Office365, BPOS, Exchange, Postfix, Apache, IIS, iOS management (Zenprise), Chef, AD/LDAP, Cisco UC, MS SQL, C#, Python, Plone, PowerShell, VBS, CSS, HTML, JavaScript, ESXi, Hyper-V, XenServer, Citrix XenApp, Mercurial

- Build, maintain, and rebuild websites with Plone, Sharepoint, and other technologies
- Write software to simplify management and support of four geographically diverse AD/Exchange environments
- Manage and implement project to replace Board binders with iPads using SharePoint
- Develop custom software for conversion of legacy document management to SharePoint
- Created a database/app pipeline for network log monitoring across various enterprise systems
- Manage and consolidate multiple inherited virtual environments utilizing XenServer, ESXi, and Hyper-V
- Act as lead and escalation point for technical teams

Systems Developer

Design-PT, Inc

2010-2011

C#, Java, Scala, Clojure, PHP, Tcl/Tk, Python, PowerShell, Batch, BASH, Access, VBA, OLE Apache, SMTP, IMAP, Exchange, Postfix, Sendmail, Spamassassin, Linux, FreeBSD, Windows, AD/LDAP, MS SQL, PostgreSQL, MySQL, Sqlite, Git, Subversion, Mercurial, KVM, libvirt, ESXi, Xen, Hyper-V, FreeNAS, iSCSI, Asterisk, Switchvox, Polycom, Magento, Thin Clients, WinPE

- Design and Implement hybrid Windows/Linux virtual server environments
- Maintain MS SQL, PostgreSQL, and MySQL databases
- Migrate transactions and products from legacy system into Magento (Custom ORM "Mage")
- Engineer hybrid sites with mix of Linux, Windows, and Thin Clients
- Manage KVM, ESXi, and Hyper-V virtual environments

Developer
NANA Colt
2008-2009

Exchange, SMTP, IMAP, WebDAV, VLANs ESX, Windows, Linux (OpenSUSE) Asterisk, TFTP, Polycom HP servers, iLWinPE (XP-based), AutoIT/Tcl/Tk, Python, C++

- Design Linux server deployment for various company projects
- Built a Python service with PostgreSQL to fully automate proprietary environment installation.
- Write a Java-based TFTP server to work around incompatibilities between the phone system and UWI's boot-loader as well as enable system monitoring and tracking during boot.
- Maintain Asterisk PBX
- Maintain MS SQL databases

IT Developer
Spenard Builder Supply
2007-2008

Windows, Linux (CentOS, RHEL), WinTerms, AIX VMware Server, Dell Blades Cisco Phones, Citrix ICA, Python, PExpect, Tcl/Tk, Plone

- Migrate AIX systems to CentOS and solve interoperability issues by scripting
- Automate manual tasks using Python, PExpect, and Tcl saving time and labor
- Create usable GUI frontends to legacy COBOL system avoiding training costs for new users
- Wrote workflow system for IT requests in a Plone intranet
- Manage web sites and email systems for a number of non-profit and personal clients
- Cast existing sites into Plone to allow for extensive future customization, workflow management, and end user edits.