

Chris Jones

Linux Systems Engineer
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Professional Summary

- AWS Certified Solutions Architect
- Currently has over 13 years of experience with various Linux distributions.
- Skilled in the setup and maintenance of highly available and redundant systems.
- Experienced in systems integration in order to create the best possible foundation for any given project.
- Experienced in working with and supporting developers in order to see projects through to completion and continued development.
- Very adept at researching, troubleshooting, identifying, and ultimately fixing problems.
- Very enthusiastic about, and a contributor to open source software.

Certifications

- AWS Certified Solutions Architect - Associate
- AWS Certified Developer - Associate
- AWS Certified SysOps Administrator - Associate

Operating Systems

Linux: Red Hat/CentOS, Fedora, Ubuntu, Debian, Arch, Gentoo, openSUSE, Slackware

Software

Virtualization: AWS, Docker, oVirt, Proxmox VE, Xen, KVM, Vagrant, Oracle VM VirtualBox
Automation: CloudFormation, Terraform, Rundeck
Monitoring: Zabbix, Nagios
Config Managers: SaltStack, Chef
Shell Scripting: Bash/sh, Python, Ruby
Database: MySQL, MariaDB, Percona
Backup: Bacula, Clonezilla, Partclone, Acronis, Windows BackupAssist, shell scripts
Authentication: FreeIPA, OpenLDAP, Active Directory
Email: Postfix, Dovecot
Groupware: NextCloud, Active Directory
Web: Apache, Nginx
Firewall: iptables, pfSense
VPN: OpenVPN
Storage: RAID, Dell Compellent, Synology, Multipath iSCSI, NFS, SMB
Load balancing: HAProxy

Education

University of Central Florida

2002 - 2004

Bachelor of Arts (B.A.), Digital Media

College of Central Florida

2000 - 2002

Associate of Arts (A.A.), General Studies

Professional Experience

DIGARC

Senior Linux Systems Engineer

Mar 2016 - Present

Administrator for high traffic college catalog websites made up of a large fleet of EC2 Instances. Closely worked with and supported the needs of developers.

- Saved the company thousands of dollars per month by optimizing the use of their existing AWS resources.
- Was made lead systems manager with and put in charge of managing a team of admins.
- Managed and improved upon their existing AWS stack.
- Managed and improved upon their existing Chef environment.
- Led an effort to transition to Docker containers wherever possible via ECS.
- Led an effort to migrate more of their legacy infrastructure to AWS specific services.
- Switched their application mailing to Amazon SES.
- Automated the creation of Vagrant boxes for developers via continuous integration.
- Automated various long and manual workflows.

Bookit.com

Linux System Engineer

Jun 2013 - Oct 2015

Administrator for high traffic travel website consisting of over 250 CentOS servers. Closely worked with and supported the needs of developers.

- Deployed SaltStack to configure and manage new and existing servers. This reduced new setup times for new servers to half an hour.
- Contributed to the SaltStack project fixing bugs in the MySQL module.
- Wrote a SaltStack based template system for managing thousands of MySQL credentials.
- Had formulas for users and grains management accepted into the public SaltStack formula repository.
- Reduced the time a MySQL slave rebuild takes from a whole day to a few hours.
- Learned how to use Zabbix at a much larger scale.
- Learned how to work with MySQL replication.
- Made developers' lives easier by managing their sandbox virtual machines through Vagrant.
- Deployed the ELK Stack (Elasticsearch, Logstash, Kibana) to simplify and make sense of logging data.
- Facilitated the move to a virtualized environment with Red Hat Enterprise Virtualization.
- Set up, configured, and provided troubleshooting for a Dell Compellent 80 terabyte storage array attached via multipath iSCSI. It was the storage backing for the Red Hat Enterprise Virtualization.

StackFrame, LLC

Linux System Administrator

November 2010 - Jun 2013

Providing IT support for DoD contractors and commercial clients and a mix of Windows and Linux servers.

- Set up monitoring for over 50 servers with Zabbix.
- Streamlined client's in-house IT support process for 5 servers and 30 workstations.
- Solved internal mail related problems by setting up DKIM and SPF for StackFrame.
- Provide ongoing support for various commercial clients.
- Worked with Windows/Active Directory installations
- Responsible for writing and maintaining internal documentation on processes and procedures.
- Acquired Security+ certification with this employer.

HTH Inc.

System Administrator

January 2009 - November 2010

Provided in-house support for servers, workstations, and web server.

- Set up and continue to manage a Linux VPS for their website.
- Recovered from 3 server hardware failures with no data loss and minimal down time.
- Gained invaluable experience in the management of Windows servers.
- Implemented automated local and off-site server backups.
- Performed repair and maintenance of workstations.
- Successfully deployed centrally managed anti-virus software.
- Facilitated better interoffice communication by deployment of local Jabber server.
- Implemented disaster recovery plans for the server and all workstations.
- Implemented secure remote access to network for off-site interaction and system repair.
- Reduced company expenses through the use of open-source software.

Caring Compy, 501c3

President/CTO

March 2009 - January 2012

<http://www.caringcompy.org>

A non-profit that donated refurbished Linux PCs to those in need.

- Set up 4 public web terminals for the Ronald McDonald House of Orlando.
- Gave LTSP setup to the Hope For All day care center for abused children in Orlando, FL.
- Gave individual desktops to 3 families as well as provided them with training and support.

Bonnier Corp

Web Developer

October 2008 - January 2009

Assisted in the design and launch of magazine websites. These include Field and Stream and Outdoor Life.

Alinean, Inc.

Web Developer

October 2007 - October 2008

Designed and created software for the leading provider of both web-based and desktop ROI (Return on Investment) solutions.

- Single-handedly designed and created several ROI programs based on the analyst specifications for clients such as Novell, Intel, and Microsoft.
- Saved the company time and money by automating the process of preparing the software for language translation.

Ciber, Inc.

Web Developer

March 2007 - October 2007

- Electronic Arts
 - Developed 2D interfaces for EA Games in the NextGen Madden 08 Game. Created and modified screens and components in the game. This allowed me to gain experience in the development of a project as part of a team of hundreds.
- Snapple
 - Created several pages in a past version of the Snapple Website. Most notably the Send-to-Friend page and Dream-a-Drink.
- Microsoft Live Search Club Search Queries Game
 - Assisted in putting together a game geared to help Microsoft help raise their search results through Windows Live.
- Microsoft Live Meeting and Live Messenger Tutorials
 - Created tutorials in illustrating the use of Microsoft Live Messenger and Microsoft Live Meeting.

Disney

Web Developer

January 2007 - March 2007

Hired as a contractor to create new content for the Disney Cast Portal. Most Disney employees use to check on their schedules, get salary information, and other functions.

Unitech

Web Developer

January 2006 - January 2007

Created learning and training applications for the military.

- Sr. Programmer for the "UNITREX" project. It was a crisis management system that allowed that prepared branches of the military for crisis situations. It was demonstrated and sold to various branches of the U.S. Military as well as various foreign military units.

Cloudspace

Web Developer

December 2002 - January 2006

Multimedia and web developer responsible for creating dynamic web applications for various clients.

- Created online applications allowing clients to easily edit any aspect of their site. Often developed sites and applications from conception to implementation.
- Designed and created an application that allows users to design and order their own embroidered clothing.
- Integrated an advanced DJ track management database into a web facing front end.
- Created an automated spam management system to prevent spam folders from growing too large on the email server.
- Created a system that synchronized SQL database with a MySQL database. The client's website ran off of the MySQL database while the SQL database was always changing in structure and layout. The challenge was to keep the data synchronized without breaking the site. It was a success.
- Programmed ability to have dynamic text in Flash along a curve (normally couldn't be done at the time).