CHRISTER EDWARDS

ARCHITECT | INSTRUCTOR | AUTHOR

Goal	Design innovative solutions to fulfill unique business needs.

Skills

Architect
Detailed understanding of Linux/UNIX operating systems, Internet services, automation and security best-practices.

Instructor
Proven ability to communicate complex new ideas in easy to understand and applicable ways.

Author
Experience with publishing documentation, creating training material, writing instructional blogs and technical books.

Technical

Linux	nginx	DNS
FreeBSD	Apache	GIT
SaltStack	Python	SMTP
HubbleStack	Jenkins	NTP

Projects

Architect & co-creator of <u>Hubble</u>.

Experience

Adobe Systems
Computer Scientist, Software Development - Adobe DX (TechOps)
2014-current

Unofficial Adobe "Salt Master"
Architect & co-creator of <u>Hubble</u>.
Designed low-latency, global time (NTP) service supporting 150,000+ devices.
Support global anycast DNS solution serving 12B+ queries monthly.
Maintain email relays delivering 750,000+ customer emails per hour.
Maintain internal global CDN for artifact and source code distribution.

Adobe TechOps "Technology Advisory Group (TAG)" contributor.
Adobe TechOps "Domain Architecture" contributor.
Adobe TechOps "TechTalk" vetran presenter.

Adobe Systems
SRE, Adobe Analytics - Adobe DX (TechOps)
2012-2014

Support Adobe's largest DX infrastructure for Reporting and Analytics.
Maintain custom-built Linux kernel tuned for performance and stability.

Beyond Oblivion
Cloud Infrastructure Engineer

2011-2012

Work on Cloud Infrastructure team for Beyond Oblivion streaming music service.
Design HA infrastructure with load balancing and SSL termination solutions.
Work closely with QA to validate and improve service performance.
Maintain 600TB distributed filesystem.
Migrate remote execution and state management solution from Puppet to SaltStack.

University of Utah
Instructor - Technology Education / School of Computing

2010-2013

Teach Enterprise Linux Network Services, Security and Troubleshooting.
Teach fundamentals of web-programming with PHP Level 1 and Level 2.
Teach fundamentals of database use and design with MySQL Level 1 and Level 2.
Teach fundamentals of database driven websites combined technologies crash-course.
Teach fundamentals of jQuery, Level 1.
(Authored or contributed to all class course material.)

The GNOME Foundation
System Administrator

2010-2011

Maintain infrastructure for GNOME Desktop Environment and related projects.
Act as point of contact between Sysadmin team and development projects.
Manage project timelines, goals and requirements with volunteers Sysadmins.
Write and maintain puppet modules for configuration management.
Additional responsibilities include accounts management, mailing lists, web, email, DNS, etc.

Partnet, Inc.
System Administrator

2008-2011

Deploy, secure, and maintain Red Hat, CentOS and FreeBSD servers in support of the Department of Defense EMALL application.
Design and maintain internal infrastructure supporting application development.
Research new technologies to improve internal efficiency and standardization.
Maintain IT Level-1 Department of Defense Clearance (top-secret).

Guru Labs
Linux Instructor

2007-2008

Teach Linux Fundamentals, Administration, Network Services and Security.
Write and test course content including lecture, technology demonstrations and hands-on labs.
Deliver certification exams for Red Hat Certified System Administrators (RHCSA)
Deliver certification exams for Red Hat Certified Engineers (RHCE).

Open-Source Community Contributions

Architect & co-creator of Hubble.
2015 — current
Open-source contributor to SaltStack.
2011 — current
FreeBSD port maintainer
2010 — current
Ubuntu Utah Community Team Founder / Team Lead

2005 — 2011
Ubuntu US Community Teams Mentor
2006 — 2008
Ubuntu Developer Summit - Ubuntu 8.04
2007 Community Representative

*Conference
Presentations*

devopsdays Boise 2018
Open-Source Security with HubbleStack

SCaLE (So-Cal Linux Expo) — 2018
Security & Compliance Monitoring w/ HubbleStack
SaltConf17 — 2017
Linux Security & Compliance Auditing with HubbleStack
SAINTCON — 2017
Linux Security & Compliance Auditing with HubbleStack
OpenWest 2017
Linux Security & Compliance Auditing with HubbleStack
SCaLE (So-Cal Linux Expo) — 2017
Linux Security & Compliance Auditing with HubbleStack
SCaLE (So-Cal Linux Expo) — 2016
Ops tools for hardening your infrastructure
SaltConf16 — 2016
SaltStack for Ops Security, Compliance and Infrastructure Hardening
Integrating a CMDB with SaltStack for More Dynamic System Control
SaltConf14 — 2014
SaltStack for LAMP stack deployment lab
SCaLE (So-Cal Linux Expo) — 2013
Automated Cloud Provisioning with Salt Cloud
SCaLE (So-Cal Linux Expo) — 2012
Salt: Remote Execution and Configuration Management
SCaLE (So-Cal Linux Expo) — 2011
OS Level Virtualization : FreeBSD Jails
Utah Open Source Conference — 2010
OS Level Virtualization : FreeBSD Jails
Utah Open Source Conference — 2009
10 Required Sysadmin Tools
Unleashing GNOME Config: Scripted UI Customization
O'Reilly's OSCON — 2008
Ubuntu LTS : Using Ubuntu in the Enterprise
Utah Open Source Conference — 2008
Ubuntu LTS : Using Ubuntu in the Enterprise
Ubuntu Live / OSCON — 2007
The Ubuntu Community
Utah Open Source Conference — 2007
The Ubuntu Community

Publications

Books
Instant Ubuntu

Commissioned Articles
Ubuntu Server and Wordpress in 15min Flat
Securing Network Services with FreeBSD Jails
Security Encrypt Removable Media with Ubuntu
Network Based Ubuntu Installations
What's New In Ubuntu 9.10 "Karmic Koala"
Ubuntu 9.10: How To Upgrade

Certifications

SaltStack Certified Engineer
SSC ID: 0x4169B221 (ssc.saltstack.com)
Red Hat SELinux Policy Administration
100-007-418
Red Hat Certified Engineer (RHEL5, RHEL6)
805007509125599
Red Hat Certified Technician (RHEL5, RHEL6)
605007966612538

Recommendations

Technology Instructor - University of Utah

Christer is an excellent instructor. He not only works well with the staff when preparing for his classes, but he thinks beyond the obvious to bring novel and highly effective solutions to any problems that arise. He is also flexible, willing to work with his students to be sure they have the best experience in the class possible.

- Jeremy Robb, Technology Instructor, University of Utah

Systems Engineer - Partnet, Inc.

I've had the opportunity to work with Christer twice. Once when we were both working at Guru Labs and then again when the project I was assigned at NexOne included working with Partnet. I have been very impressed with his talents and the work he does. I found him to be an honest, no-nonsense, straight forward, get the job done sort of person which is I consider a positive quality to have in an IT environment. Christer also has takes a great interest in his field (Linux, System Administration, etc.) outside of work, and he actively participates in local and worldwide communities..

- Jacob Albretsen, Senior Linux Systems Engineer, NexOne

Linux Instructor - Guru Labs

Christer is a dedicated, hard-working and loyal colleague. I value his opinion when I ask. He provides timely and useful answers with research and results to back up his claims. Christer provides a very good vibe around the office and with our other colleagues. He's always positive and interested in helping those around him succeed, no matter what the subject. He dedicates much of his personal time to making sure those who are interested have the knowledge he knows he can provide. Christer is an excellent instructor in my experience.

- Clint Savage, Instructor / Guru, Guru Labs, L.C.