



CHRISTER EDWARDS

ENGINEER | INSTRUCTOR | AUTHOR

Goal Design innovative solutions to fulfill unique business needs.

Skills

Engineer

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.

Projects

Award-Winning Architect & co-creator of **HubbleStack**.
Creator of **Bastille**: Secure Container Automation.

Technical

Linux
FreeBSD
SaltStack
Bastille

nginx
Apache
Python
Automation

GIT
DNS
NTP
AWS

Experience

Perceptyx: 2019-current

Senior DevOps Engineer

Platform team-lead for hybrid FreeBSD & Ubuntu infrastructure.
Network core team responsible for network design and security.
Database administration and engineering team supporting backend survey analytics.

Adobe Systems: 2014 - 2019

Computer Scientist, Software Development - Adobe Experience Cloud (TechOps)

Unofficial Adobe "Salt Master"
Architect & co-creator of **HubbleStack**.
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: 2012 - 2014

SRE, Adobe Analytics - Adobe Experience Cloud (TechOps)

Support Adobe's Reporting and Analytics infrastructure of ~30,000 Linux systems.
Maintainer of custom-built Linux kernel tuned for performance and stability.

Beyond Oblivion: 2011 - 2012

Cloud Infrastructure Engineer

Support Infrastructure for Beyond Oblivion streaming music service.
Design 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: 2010 - 2013

Instructor - Technology Education / School of Computing

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: 2010 - 2011

System Administrator

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.: 2008 - 2011

System Administrator

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: 2007 - 2008

Linux Instructor

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

Maintainer of [BastilleBSD](#).

2018 – current

Architect & co-creator of [HubbleStack](#).

2015 – 2019

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 16x (Southern California 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 15x (Southern California Linux Expo) – 2017

Linux Security & Compliance Auditing with HubbleStack

SCaLE 14x (Southern California 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 11x (Southern California Linux Expo) – 2013

Automated Cloud Provisioning with Salt Cloud

SCaLE 10x (Southern California Linux Expo) – 2012

Salt: Remote Execution and Configuration Management

SCaLE 9x (Southern California 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 (No longer in print)

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](#)
[Create a Local Ubuntu Repository using Apt-Mirror and Apt-Cacher](#)
[Five Years of Ubuntu](#)
[Ubuntu User Interface Tweaks](#)
[Install GNOME-Shell on Ubuntu 9.10 "Karmic Koala"](#)
[Folding @ Home on Ubuntu: Cancer Research Made Easy](#)

Certifications

SaltStack Certified Engineer
SSC ID: ox4169B221 (ssc.saltstack.com)
Red Hat SELinux Policy Administration
Red Hat Certified Engineer (RHEL5, RHEL6)
Red Hat Certified Technician (RHEL5, RHEL6)

Recommendations

Computer Scientist - Adobe

Christer is one of the most capable guys I know. He's made massive contributions to Open Source, and the IT communities, and to Adobe in general. This company will be less great without him. Everyone who knows him here will agree. I'm glad we crossed paths, and look forward to hearing about what he does next!

- Don Knowlton, Site Reliability Engineer, Adobe

Computer Scientist - Adobe

Christer is one of those one in a million guys that enjoys what he does so much I often wonder if he considers where he disappears 8 hours a day 'work'. A guy that is not afraid to tackle complex problems out of his wheelhouse and come back for seconds. A guy who makes the right technical decision that will benefit the company's infrastructure for years to come despite corporate politics that stand in his way. This is the guy you want on your team. We made a global decision at Adobe to embrace SaltStack at Adobe and he showed up to the salt mine (no pun intended) with a shovel and a hat ready to work becoming Adobe's resident salt expert in the process. I have highly enjoyed my time having Christer as a peer and look forward to an endeavor in which we can work together again.

- Brandon Peskin, Senior Site Reliability Engineer, Adobe

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.