

Elizabeth K. Joseph

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SUMMARY

Developer Advocate and former senior systems administrator and infrastructure architect with over a decade of experience with highly available, scalable systems built upon open source technologies. Author of [The Official Ubuntu Book](#) (8th and 9th Editions) and [Common OpenStack Deployments](#). Frequent speaker on infrastructure and DevOps topics at conferences around the world.

SKILLS

Linux: Debian, Ubuntu, Red Hat, CentOS, Fedora

Virtualization: OpenStack, Xen, KVM, VirtualBox

High-availability: Pacemaker, DRBD, LVM, RAID

Containers: Apache Mesos, Docker, DC/OS

Monitoring: Nagios, Munin, Monit, Cacti

Database administration: PostgreSQL, MySQL

Continuous Integration: Gerrit, Zuul, Gearman, Jenkins

Public-facing services: Apache, Exim, Postfix

Networking: iptables, tcpdump, route, iproute2, Linux multi-homing, bridging, OpenVPN

Scripting, Programming & Markup: Python, Perl, bash, HTML, CSS, LaTeX, YAML, XML, JSON

EXPERIENCE

Developer Advocate

2017 – Present

Mesosphere, Inc.

Telecommute from San Francisco, Philadelphia

- Speaking at conferences worldwide, as an advocate for Open Source Infrastructure, DC/OS and Mesos
- Write articles and blog posts related to emerging container-based technologies and infrastructure
- Develop demonstrations for community members to demonstrate usage of DC/OS
- Engage with open source DC/OS community via mailing lists, Slack, regular video conferences and face-to-face meetings
- Consult internally about open source strategy
- Keep community-facing resources engaging and current, including GitHub, project website and social media

Senior Automation and Tools Engineer

2013 – 2016

Hewlett Packard Enterprise

Telecommute from San Francisco, California

- Speaking at conferences worldwide, as a representative of HPE on a multitude of topics
- Writing articles for the HPE blog and open source publications
- Managing Puppet-deployed Ubuntu and CentOS systems
- Handling local and cloud-based virtualization test instances

- Code and configuration management in git and Gerrit
- System configuration and Python code review
- QA and debugging of OpenStack development builds

Linux Systems Administrator

2006 – 2012

LinuxForce, Inc.

Upper Darby, Pennsylvania (Telecommute from San Francisco, California since 2010)

- Performing routine server installation and maintenance for a variety of company- and customer-owned servers throughout the Philadelphia region
- Infrastructure design, deployment and maintenance of virtualized, high-availability (HA) clusters
- Consulting for and implementing data and services migrations
- Reviewing and diagnostics of infrastructure for new clients
- Monitoring system messages and resolving problematic items
- Debian software packaging, internally and in the official Debian distribution repository
- Technical documentation writing, including public-facing documents on company website and blog
- Member of technical on-call rotation
- Supervising and project coordinating of hired contractors
- Direct customer support and relationship management via phone and e-mail
- Handling contractor scheduling, payroll and invoices

Accounts Payable Coordinator

2005 – 2007

Tyco Fire & Building Products

Lansdale, Pennsylvania

Web Developer

2003 – 2004

Digital Wave Technologies Inc

Huntingdon Valley, Pennsylvania

VOLUNTEER

Board of Directors, Treasurer

2011 – Present

Partimus (www.partimus.org)

San Francisco, California

Partimus is a non-profit organization that provides repurposed computers running free software to students and schools which need them.

- Technical and social advisor
- Management of blog, e-mail and web services
- Banking and financial bookkeeping
- On-site Linux Desktop and Server deployment and maintenance

Ubuntu Community Council Member

2009 – 2015

Ubuntu (community.ubuntu.com)

International

The Ubuntu Community Council is the primary community governance body for the Ubuntu project. Members of this Council are elected by the community after demonstrating considerable commitment to the project.

- Participate in Ubuntu Developer Summits twice a year
- Help draft and make community-related decisions and direction
- Oversee, staff and delegate responsibilities to other boards, councils and teams

Group Coordinator

2007 – 2009

Philadelphia area Linux Users Group (PLUG) (www.phillylinux.org)

Philadelphia, Pennsylvania

PLUG is the largest Linux group in Philadelphia with over 800 members on the core mailing list and three chapters around the Philadelphia region meeting monthly.

- Speaker recruitment for all chapters
- Venue selection and relationship management
- Management of website content and mailing list
- Publication of meeting announcements

Group Coordinator

2003 – 2008

Philadelphia area LinuxChix Chapter (phillychix.org)

Philadelphia, Pennsylvania

PhillyChix is a chapter of the international LinuxChix organization providing a friendly environment for women to meet up to talk about Linux, network and share ideas.

- Venue selection and meeting planning and announcements
- Management of mailing list
- Administration of website server and website content
- Relationship management with book publishers who provided review copies of technical books for the group

AWARDS

O'Reilly Open Source Award

2012 — Portland, Oregon

Presented at OSCON for individual contributors who have demonstrated exceptional leadership, creativity, and collaboration in the development of Open Source.

OpenSource.com People's Choice Award

2016 — opensource.com

Opensource.com awards people from the community who have excelled in contributing and sharing stories about open source.

Finalist, Red Hat Women in Open Source Award

2015 — <https://www.redhat.com/en/about/women-in-open-source>

Recognizing the contributions women are making and inspire a new generation to join the open source movement.

**NOTABLE
SPEAKING
ENGAGEMENTS**

Keynote Panel Moderator: SMACK in the Enterprise

MesosCon Europe — 2017 — Prague, Czechia

Keynote Panel Moderator: Future of Cluster Management

MesosCon North America — 2017 — Los Angeles, California

Keynote: The Open Sourcing of Infrastructure

SLC DevOps Days — 2017 — Salt Lake City, Utah

Keynote: Demoing the World's Largest Multi-Cloud CI Application

OpenStack Summit — 2016 — Barcelona, Spain

Keynote: Listening to the Needs of your Global Open Source Community

FOSSCON — 2016 — Philadelphia, Pennsylvania

Keynote: Building a Career in Free and Open Source Software

UbuCon Latin America — 2015 — Lima, Peru

Keynote: OpenStack's Continuous Integration Infrastructure

DORS/Croatian Linux Users Convention — 2014 — Zagreb, Croatia

Keynote: Universal Design for Tech: Improving Gender Diversity in our Industry

LOPSA-East — 2014 — New Brunswick, New Jersey

Keynote: Making a Difference for Millions: Getting Involved with FOSS

FOSSCON — 2011 — Philadelphia, Pennsylvania

Women of Open Source (panelist)

SDForum Tech Women Program — 2011 — Mountain View, California

Virtualization Roundtable (Xen panelist and moderator)

Philadelphia area Linux Users Group — 2009 — Plymouth Meeting, Pennsylvania