

Toshio Kuratomi
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Technical Skills:

- Unix programming in C and Python
- GUI development using GTK+ and GNOME
- Porting and packaging software for Fedora Linux
- Intranet application programming in PHP and the Python web frameworks Quixote, TurboGears, Flask, and CherryPy
- Revision control with CVS, Subversion, Bazaar, and Git
- XML, HTML, CSS, and Javascript programming
- Programming with GNU autotools for software portability
- Perl and Bourne shell scripting
- Experience setting up thin client labs using K12LTSP (Linux Terminal Server Project)
- Unix network administration with Fedora, RHEL, and Ubuntu Linux; NetBSD and SunOS

Open Source Experience:

- Author of kitchen, a Python library of useful utility functions focused on problems with text vs bytes
- Author of QA Assistant, a graphical checklist program
- Author of pubmarine, a publish-subscribe event system for Python3's asyncio
- Member of the Fedora Extras Steering Committee from 2006-2007 and 2013-2014
- Founding member of the Fedora Packaging Committee (2006-2014)
- Maintainer of rpm packages for Fedora Linux
- Contributed bug fixes and features for open source software projects such as Gnotime, sylpheed, GNU automake and libtool, rpm, setuptools, six, urwid, twiggy and many more
- Former maintainer of libungif and giflib, libraries for manipulating GIF images
- Obtained grant money for a student run web server at the University of California and was a volunteer administrator from 1997-2000

Work Experience:

- 2014-Present Principal Software Engineer, Ansible/Red Hat/IBM
 - Designed and implemented the AnsiballZ subsystem for invoking Python scripts on a remote system
 - Created the strategy for writing Python2/3 straddling code and successfully lead the effort to officially support Python-2.6, 2.7, and Python-3.5+.
 - Mentor for more junior members of the team
 - Release Manager for Ansible 2.4 and Ansible 2.7-Present
- 2007-2014 DevOps engineer for Fedora Infrastructure at Red Hat, Inc
 - Helped create and maintain various Python web applications for contributors:
 - The Package Database managed maintainer permissions for rpm packages
 - The Fedora Account System was a self-service tool to authenticate contributors
 - Elections, the system used for voting in Fedora elections
 - Raffle, an application used for T-shirt giveaways.
 - Created prototypes of the version control infrastructure to store Fedora packages
 - Troubleshooting, log analysis, patching of open source software that was managed by the Fedora Infrastructure team.
 - Multi-year Google Summer of Code mentor
 - Worked with both puppet and Ansible to provision, configure, and manage our hosts

- 2006-2007 Freelance system administrator at the Engineyard, an early “cloud” provider
 - Wrote a backup script in ruby for an early customer
 - Worked on system upgrades and database optimizations.
- 2005-2006 System Administrator and Chief Developer at Hargadon Computers/Livekiosk
 - Administered a Linux and Windows Network
 - Setup Linux thin clients for schools
 - Wrote an intranet application to track software licenses
 - Created a livecd distribution, <http://www.livekiosk.com>, for Internet kiosks and wrote Python, PHP, and AJAX scripts to configure the kiosks from a server on the Internet.
- 2004-2005 Call center technician at Sovernet, an ISP and CLEC
 - Troubleshooting of dialup, DSL, and both POTS and Voice Over IP phone services
 - Wrote Python scripts to aggregate user and network information stored on several different servers so that it was accessible from one command line program
- 2001-2003 Facilities Assistant at the Onion River Coop in Burlington, VT
 - Helped set up the computer systems during the transition to a larger, downtown site
 - Wrote an intranet application to track parking lot violations
 - Wrote an intranet application to train cashiers in PLU numbers
- 2000 Helped lead a group hike of the Appalachian Trail
- 1999 Solo hike of the 2162 mile Appalachian Trail
- 1997-1999 Farm Hand at Otow Orchards in Granite Bay, CA
- 1996-1997 Junior Sysadmin at the University of California at Santa Cruz (UCSC)
 - Created an installer to setup dual-booting Windows and NetBSD computer labs
 - Ported software packages to NetBSD
 - Created a web-based form for students to register for campus email
 - Built and managed software and user accounts using Project Athena (depot, AFS, hesiod, etc)
- 1995 User Interface Programmer for the REINAS project at UCSC
 - Wrote a Motif UI for the REINAS weather visualization database

References:

Available on request