Michael_Pobega

Linux Systems Engineer

Contact

pobega@gmail.com
(917) 436 - 0950

Skills

Linux system admin,
Kernel debugging,
Application debugging,
Shell scripting, Automation,
Programming

Languages

Python, Perl, Bash,
C/C++

Systems

Debian, RedHat, Gentoo,
FreeBSD, ChromiumOS

Tools

Ansible, Nagios, nmap, Git,
nginx, Apache2, gdb, MySQL,
MongoDB, Virsh, Qemu, repo,
Jenkins

Online

github.com/**pobega**
linkedin.com/in/**pobega**
serverfault.com/**pobega**

Work Experience

Neverware
SOFTWARE DEVELOPER

NEW YORK, NY
SEPTEMBER 2016 - PRESENT

- Works on Neverware's fork of ChromiumOS, CloudReady
- Debugs and resolves hardware compatibility issues in CloudReady
  - Works with Product and Sales to resolve customer issues and deliver adhoc builds
  - Manages driver compatibility and patches hardware quirks in Linux kernel
  - Cherry-picks upstream changes into longterm release kernels
  - Resolves hardware compatibility issues with CRAS (*ChR*omiumOS *A*udio *S*erver)
- Developed a tool to automate the creation of deployable CloudReady installer images
  - Uses Qemu and modifications to install scripts to automate a real install
  - Saves Neverware's support team 2 hours per customer request

Neverware
SITE RELIABILITY ENGINEER

NEW YORK, NY
SEPTEMBER 2014 - SEPTEMBER 2016

- Administrator for Neverware's local Windows 7 Hypervisor solution, PCReady
- Administered roughly 300 PCReady servers across 120 schools
  - Troubleshot issues and worked with the dev team to identify root causes
  - Wrote client patches and deployed remotely to customers machines
- Engineered software for the monitoring and automation of PCReady tasks
- Solely managed customer support interactions for PCReady

SUNYIT ITS Department
LINUX SYSTEM ADMINISTRATOR

UTICA, NY
SEPTEMBER 2013 - MAY 2014

- Worked with the Administration team to deploy and manage Linux servers
- Migrated services running on legacy Unix software/hardware to a modern virtualized environment
  - From ancient Sun Solaris server to modern CentOS running on VMWare ESXi
- Reimplemented expensive legacy mailing list software in Perl
  - Solution integrated with the school's existing LDAP setup
- Introduced configuration management through Ansible as a tool for rapid redeployment
  - Implemented a majority of existing server configurations in Ansible Playbooks

SUNYIT CS Department
JUNIOR SYSTEM ADMINISTRATOR

UTICA, NY
JANUARY 2010 - JANUARY 2012

- Responsible for the Gentoo Linux lab, as well as other misc. Linux labs on campus
- Maintained & updated Gentoo master image
  - Image was deployed to labs via PXE boot multicast imaging process.
- Implemented multicast ISO burning solution in Bash (wodimcast)

Education

SUNY Institute of Technology
BSC COMPUTER SCIENCE

UTICA, NY
CLASS OF MAY 2014

- Created custom CPU architecture simulator code
- Wrote and booted a simplistic proof-of-concept x86 bootloader
- Deployed and configured Nagios to monitor pre-existing SUNYIT production services
- Set up Ansible configuration management on production network

References and Capstone documentation available upon request