Michael_Pobega

Linux Systems Engineer

Contact

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Skills

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

Languages

Python, Perl, Bash,
C/C++

Systems

Debian, Ubuntu, Gentoo,
Arch, ChromiumOS

Tools

Ansible, Nagios, nmap, Git,
nginx, Apache2, gdb, pdb,
MySQL, MongoDB, Virsh,
Qemu (KVM), Jenkins

Online

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

Work Experience

Neverware
NEW YORK, NY
SOFTWARE DEVELOPER   SEPTEMBER 2016 - PRESENT

- Developer for Neverware's fork of ChromiumOS, CloudReady
- Debugs and resolves hardware compatibility issues in CloudReady
  - 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
NEW YORK, NY
SITE RELIABILITY ENGINEER   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
- Engineered software for the monitoring and automation of PCReady tasks
- Solely managed customer support interactions for PCReady

SUNYIT ITS Department
UTICA, NY
LINUX SYSTEM ADMINISTRATOR   SEPTEMBER 2013 - MAY 2014

- Worked with the Administration team to deploy and administer Linux servers
- Migrated services running on legacy Unix software/hardware to a virtualized environment
  - Migrated primarily from ancient Sun Solaris server
- Reimplemented logic of expensive mailing list software in Perl
  - Solution integrated with their existing LDAP (authentication) 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
UTICA, NY
JUNIOR SYSTEM ADMINISTRATOR   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
UTICA, NY
BSC COMPUTER SCIENCE   CLASS OF MAY 2014

- Deployed and configured Nagios to monitor pre-existing SUNYIT production services
- Set up Ansible configuration management on production network
  - Used to deploy 'Nagios Remote Plugin Executor'
  - Automated Nagios related tasks, simplifying administration

References and Capstone documentation available upon request