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, Rust, Perl,
Javascript, Bash, C/C++

Systems

ChromiumOS, Gentoo,
Fedora/Silverblue, Debian,
RedHat, FreeBSD

Tools

Ansible, Nagios, Flatpak,
Toolbox, Docker/Podman,
nmap, Git, gdb, MongoDB,
Virsh, Qemu, repo, Jenkins,
Glade (GTK)

Online

pobega.github.io
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 closely with Product and Sales to resolve customer issues
  - Manages driver compatibility and patches hardware quirks in Linux kernel
- Merges upstream code back into Neverware's forks & handles merge conflicts and build issues
- Developed a tool to automate the creation of deployable CloudReady installer images
  - 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"
  - Managed roughly 300 PCReady servers across 120 schools
- Worked closely with the Engineering team to find and fix core product issues
- Engineered software for the monitoring and automation of PCReady tasks
- Handled customer support interactions for PCReady via phone and e-mail

SUNYIT ITS Department
LINUX SYSTEM ADMINISTRATOR

UTICA, NY
SEPTEMBER 2013 - MAY 2014

- Migrated services from legacy Unix hardware to a modern virtualized environment
- Reimplemented legacy mailing list software in Perl & integrate with existing LDAP
- Introduced configuration management through Ansible as a tool for rapid redeployment
- Setup Nagios server monitoring for the school's production network

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
  - Lab was managed 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 an emulator for a fictional CPU architecture
- Wrote and booted a simplistic proof-of-concept x86 bootloader

Personal Projects

Mullvad Indicator
GNOME3 SHELL EXTENSION

2020
GNOME JAVASCRIPT

- Monitor and control connectivity to the Mullvad.net VPN service

com.fightcade.Fightcade
FIGHTCADE APPLICATION FLATPAK

2020
YAML/SHELL

- Sandboxes a proprietary application for easy distribution on Linux and CloudReady
- Bundles custom 32-bit Wine build for running emulators

References and Capstone documentation available at https://github.com/pobega/college