

Michael Pobega

Linux Systems Engineer

Contact

pobega@gmail.com
(917) 436 - 0950

Skills

Linux system admin
Programming
Kernel debugging
Application debugging
Automation

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)

About Me

Passionate about desktop
Linux, I'm interested in the
future of containerized
workflows via
Toolbox and Flatpak.

Other interests include
fighting games, wine and
horror movies.

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

- Developer on Neverware's fork of ChromiumOS "CloudReady"
 - Primarily focused on hardware compatibility and regression fixes
- Debugs and resolves hardware compatibility issues in CloudReady
 - Collaborates with Product and Sales to resolve customer issues
 - Manages driver compatibility and patches hardware quirks in the Linux kernel
- Merges upstream code back into Neverware's forks and resolves conflicts and build issues
- Maintains a Python tool to automate the creation of deployable CloudReady installer images
 - Saves Neverware's support team 2 hours per customer request
- Involved in company efforts to push relevant changes upstream
 - Upstreamed patches include Linux, Systemd, and HWDB

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
- Collaborated with the Engineering team to find and fix core product issues
- Engineered software in Python for monitoring and automation of PCReady tasks
 - TruancyOfficer monitored server health and provided update emails
 - HallMonitor alerted when servers were offline
- Handled customer support interactions for PCReady via phone and e-mail

SUNYIT CS/ITS Departments

LINUX SYSTEM ADMINISTRATOR

UTICA, NY
2010~2012, 2013~2014

- Responsible for the Gentoo Linux lab, as well as other misc. Linux labs on campus
- Implemented multicast ISO burning solution in Bash (wodimcast)
- Migrated services from legacy Unix hardware to a modern virtualized environment
- Reimplemented legacy mailing list software in Perl and 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

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 Windows emulators on Linux