

Ian Santopietro

Programmer/Developer & Software Engineer

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SUMMARY

OSS Software Developer, Programmer, and Software Engineer since 2016 primarily working on the Pop!_OS Linux Distribution. Focus on user-facing software and utilities like applications and CLI utilities which handle system-level configuration. Additional work on Pop!_OS includes GTK (CSS) UI Theme development and design, Icon and UX design, and package maintainer responsibilities.

SKILLS

Development Python Object-Oriented Linux bash GTK F/OSS Cmake meson makefile

Design UI/UX CSS3 UI Icons

Others git HTML JS/TS ValaLang Audio

WORK EXPERIENCE

June 2023

April 2017

System76, Inc. *Denver, CO*

Software Developer/Engineer

- Contributed to development and maintenance of Pop!_OS Linux, after the Unity desktop was shuttered in Ubuntu.
- Designed the Pop!_OS Visual theme and aesthetics.
- Engineered, developed, and maintained several low-level system administration utilities, including boot management, UX shell, and software repository management
- Designed UI/UX for and developed end-user applications related to software repository management and EOL package format migration.
- Development and maintenance for the Pop!_OS Application Store (Pop_Shop).
- Contributed to UI/UX design for the Pop!_OS Installer.
- UI/UX design and development for the Pop!_OS Installer.
- Collaborated with outside organizations and contributors on open-source and Free/Libre software projects including GNOME and elementary.
- Designed, implemented, and maintained the Pop!_OS Icon theme, including monochrome UI icons as well as full-color and application branding icons.
- Designed and composed the Pop!_OS Sound theme, using modern DAW software.

- Performed code review for 3rd-party contributions as well as internal peers.

Nov. 2018

July 2015

Research & Development Technician

- Assisted lead R&D Engineer in design, assembly, and testing of prototype products.
- Assisted company CEO and Designer in formulating new product aesthetics for Thelio Desktop line.
- Liaised between company leadership, design, and R&D for Thelio product development and testing.

July 2015

March 2010

Customer Support and Service Technician

- Managed customer experience from pre-order through post-sales support.
- Assisted customers with technical support questions about Ubuntu Linux in a phone- and email-based workflow.
- Provided IT Helpdesk Support to Linux Desktop users of all skill levels, from beginner to advanced.

OPEN SOURCE COLLABORATION

Kernelstub

Principal Author

Utility for managing the Linux boot process on EFI systems using either systemd-boot or the built-in EFI Stub Loader.

RepoMan

Principal Author

Graphical utility for managing Debian-format and Flatpak software repositories.

Repolib

Principal Author

Backend library and CLI utility for managing Debian-format software repositories.

Crashbang

Principal Author

Utility for repeatedly running and testing executable objects in a POSIX environment and report statistics about crash-rates and failure modes.

Nullpynter

Principal Author

Simple Command-line and GTK Interface for the Nullpointer file bucket and URL Shortener Service.

elementary AppCenter

Contributor

Pay-what-you-want Application Store for elementary OS.

elementary Installer

Contributor

An installer for open-source operating systems, used by elementary OS and Pop!_OS.

GitHub *Various*

Various minor open source contributions: [Profile](#)

IT Support

A selection of end-user technical support questions with which I've assisted:

- [Ubuntu Forums](#)
- [Pop!_OS Subreddit](#)