

David Pflug

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Summary

Flexible, process-oriented Linux System Administrator with extensive experience in process automation, server administration, and development. Resourceful, hands-on problem-solver with strong understanding of Linux systems, automation, and optimization of processes. Proven success working either as part of a team or individually to maintain a variety of systems for a diverse clientele. Capable of giving nontechnical users a workable understanding of technical systems. Expertise includes:

Linux System Administration	Deployment Planning and Execution
Process Automation	Development in several languages
Troubleshooting & Problem Solving	Strong Communication Skills

Technical Skills

Languages	Shell Scripts, Python, Ruby, JavaScript, Lisp
Internet	HTTP, SSL, HTML5, DNS
Software	Ansible, Docker, Git, Nginx, Apache httpd
Databases	PostgreSQL, MySQL, MariaDB, SQLite
Additional	OOP, MVC, SDLC, RDBMS, VPNs

Professional Experience

Freelance Central FL – Various Tasks – 2008-2018
Freelancing experience includes sysadmin, web development, DevOps, and teaching roles.

- Taught weekly Python lessons 2016-2017
- Appsalute:
 - Streamlined and troubleshot custom Python build process, improving image size by 30%, build time by 50%, and failures by an order of magnitude
 - Secured/hardened generation of OS images using a combination of industry-standard good practices and firejail
- Design Interactive:
 - Developed Puppet modules for OpenVPN and Bacula
- Miscellaneous smaller clients
 - Creation of Helm charts for UnrealIRCd, Anope, Funkwhale
 - Installed and configured Plex video streaming service for a client
 - Multiple clients doing Windows/hardware support and consultation
 - Migration from Windows to Linux for a few clients

5th Judicial Circuit Courts of Florida Tavares, FL – User Support Analyst – 2015-2018

Worked as part of a team to maintain the efficiency and functionality of a judicial system across 5 counties. Communicated with clients to understand problems and work to troubleshoot and develop successful, cost-effective solutions in a timely manner.

- Wrote a Python program to generate a help desk schedule to fit certain constraints, in the manner of the nurse scheduling problem, then a companion shell script to update the email routing
- Created a nearly maintenance-free looping video display using a Raspberry Pi
- Created weekly reports from our help desk tickets using custom Python, as our desk software built-in reporting was lacking
- Automated daily public display of judge's schedules

Go Convergence Digital

Orlando, FL – Sysadmin/Software Developer – 2010-2012

Developed products for companies under contract as well as managing, maintaining and deploying server operations.

- Used Django and PyGame to interface with a MIDI lighting controller for a kiosk array, used for product recommendation
- Created an interface layer in Python between Microsoft Access and PostgreSQL for a client's website redesign
- Authored Python software to create PDFs for a card-printing service
- Participated in a security assessment of a large resort in the Bahamas, compiling a report of suggestions to decrease their attack surface

Primal Innovation

Orlando, FL – Sysadmin – 2010

Communicated with clients to understand problems and work to troubleshoot and develop successful, cost-effective solutions in a timely manner.

- Set up and maintained Apache, Postfix, and PostgreSQL
- Managed my own inventory, shipping/receiving, phone/online orders, and product research
- Deployed large scale WiFi network

Hashbang.sh

Digital – Volunteer Sysadmin – 2006-Present

A Digital Maker/Hackerspace, focused on learning, teaching, and creating open source technologies.

- Currently planning a migration from standard installations utilizing etc-keeper and Ansible to a Kubernetes architecture
- Assist new users in interacting with our systems, as well as advising their projects
- Recovered quickly with no loss of customer data after another admin's accidental `# rm -rf /`

EDUCATION

- A.A.S. Computer Networking Systems and Administration, ITT Technical Institute, Knoxville, Tennessee