

Andrew Rogers
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GitHub
[https://github.com/
tuxlovesyou](https://github.com/tuxlovesyou)

Address
5520 Damascus Rd.
Laytonsville, MD
20882

US Citizen

Andrew Rogers

Systems Administrator

About Me I am a passionate UNIX, Linux, and Windows expert with several years of administration experience who lives for automation and security.

- Expert administrator with eight years of experience managing Linux, BSD, Solaris, Windows and OS X workstations and servers locally and remotely.
- Expert in several flavors of Linux:
 - Red Hat Enterprise Linux, Fedora, and CentOS
 - Ubuntu and Debian
 - SUSE Linux Enterprise and openSUSE
 - Arch
 - Gentoo
- Strong understanding of Linux security best practices.
- Skilled in solving technical install, configuration, and integration problems, including those involving cloud services and solutions.
- Can recompile the Linux kernel with relative ease.
- Great at COTS server hardware installation and upgrades, as well as performance tuning.

Relevant Skills

Scripting Languages

- | | | |
|-----------------|---------------|----------|
| ◦ Bash, sh, Zsh | ◦ Perl | ◦ Python |
| ◦ PowerShell | ◦ AppleScript | ◦ Tk/Tcl |
| ◦ batch file | ◦ Makefile | |

Databases

- | | | |
|-----------------|----------|------------------------|
| ◦ Amazon Aurora | ◦ MySQL | ◦ Amazon DynamoDB |
| ◦ PostgreSQL | ◦ SQLite | ◦ Microsoft SQL Server |
| ◦ Redis | | |

SCM Deployment

- | | | |
|---------------------|-------------|-------------|
| ◦ GitHub Enterprise | ◦ Bitbucket | ◦ Kallithea |
| ◦ GitLab | ◦ cgit | |

Webservers

- | | | |
|----------|-----------------|-----------------|
| ◦ Apache | ◦ lighttpd | ◦ Apache Tomcat |
| ◦ nginx | ◦ Microsoft IIS | ◦ GlassFish |

File Servers

- | | | |
|-------------|--------|-----------------------|
| ◦ Amazon S3 | ◦ NFS | ◦ iSCSI |
| ◦ SSHFS | ◦ TFTP | ◦ SMB (Samba and DFS) |

Configuration Tools

- | | | |
|--------------|--------------------|--------------------|
| ◦ Ansible | ◦ Shell scripting | ◦ PowerShell |
| ◦ Puppet | ◦ SSH/Mosh | ◦ RDP |
| ◦ AWS Config | ◦ Amazon Lambda | ◦ AWS CLI |
| ◦ Cron | ◦ Systemd and Init | ◦ Active Directory |

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Cloud Providers

- Amazon AWS
- Linode
- Rackspace
- Microsoft Azure
- Digital Ocean
- Google Cloud Platform
- Vultur

Virtualization Technology

- Linux KVM
- Docker
- FreeBSD Jails
- Xen Server
- Linux Namespaces
- Bubblewrap
- Hyper-V
- VirtualBox
- VMware ESXi

Security Auditing

- Nmap
- Ncrack
- Ophcrack
- Burp Suite
- Selenium
- Nikto
- Nessus
- RainbowCrack
- tcpdump
- hashcat
- THC Hydra
- John the Ripper
- Wireshark

Security Hardening

- Kernel rebuilds
- Snort
- software patching
- Firewall rules
- Tripwire
- Security policies
- Fail2ban

Experience

September 2016 - Present, *Software Engineer, Inspire*

Responsible for maintaining backend Perl code, updating site templates, and writing SQL for the Inspire website.

- Resurrected old legacy code with modern patches.
- Helped introduce new features to the site.
- Deployed CircleCI continuous integration system.
- Created several new health communities, integrating designer assets along the way.
- Wrote experimental Python code to assist data scientist with her research.
- Code reviewed my peers' Perl, SQL, and JavaScript.
- Helped test and develop the company's Prove-based test suite.
- Updated our in-house release tools and scripts.

July 2015 - September 2016, *Senior Systems Administrator, Jones LLC*

- Maintained Java code written by contractor.
- Deployed and managed Bitbucket on Linode cloud.
- Wrote new BASH shell scripts and utilities.
- Custom Arch Linux and CentOS installs:
 - Made custom Live ISO images for home network appliances.
 - * Wrote custom installation scripts.
 - Wrote custom Systemd units.
 - Wrote custom daemon scripts.
 - Managed dependencies.
 - Configured custom firewall rules:
 - * ufw
 - * firewalld
 - * iptables
- Installed and deployed pfSense.
- Managed switch administration.
- Crimped network cabling.

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September 2015 - April 2016, Head of Computer Recycling, MSC

Oversaw recycling desktops, laptops, switches, servers, SANs, consumer electronics, and more for precious metals. Sorted components by type for refurbishing.

2014 - 2015, Manager of Hobbyist Electronics, Micro Electronics, Inc.

Merchandised and sold development boards (e.g. Raspberry Pi, Arduino, Jetson TK1, BeagleBone, Teensy, etc.), soldering equipment and supplies, connectors, enclosures, cleaning equipment, robot kits, and drones.

- Helped customers select the best development board and programming language for their projects.

Organizations

2016 - Present, DC Perl Mongers

Member of DC.pm who participates in group discussions and lightning talks who volunteers where possible.

- The Perl Conference 2017 attendee
 - Hung out with Matt S. Trout (mst), Sawyer X, and too many others to name.
 - Had lunch with Larry Wall!
 - Watched many great talks.

2016 - Present, HacDC

Active, dues-paying member of our capital's most well-recognized hackerspace

- Assists in maintaining the 3D printing hardware.
- Works with the Vice President on managing our networking infrastructure.
- Helps teach members and visitors about free software.
- Is currently helping to repair the scanning electron microscope.
- Donated Tannoy and JBL speakers as well as a Crown amplifier to the space to allow members and guests to enjoy music while they work.

IT Education

2014 - Present, Brigham Young University-Idaho

BS in Computer Science (on leave).

Present, OSCP Certification

Studying for the OSCP examination.

Interests

Professional

C and Perl programming, dev ops, administration, security, UNIX, embedded systems, PCB design

Personal

Saxophone, audio production, graphics design, video editing, motion graphics, vintage computing, running, tree climbing, kayaking

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