

Andrew Rogers

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About Me I am a young, hardworking technology professional with a passion for UNIX and Linux-based software and excellent written and verbal communication skills. I love meeting each day with a new challenge as I strive to fulfill each task I am given, unafraid to consult with my colleagues when necessary. I am also very efficient at parsing new documentation and manpages and sharing what I learn with team members.

I have experience managing Linux in Debian/Ubuntu, Red Hat, SUSE, Arch, and Gentoo varieties.

- Strong understanding of security best practices.
- Skilled in solving complex 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.

IT Education

2017 - Present, Grantham University (currently attending)

Working on BS in Electronics Engineering Technology.

2014, Brigham Young University-Idaho (on leave)

Working on a BS in Computer Science.

Present, OSCP Certification

Studying for the OSCP examination.

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.
- Wrote extensive documentation in both POD and Markdown.

Technologies: *Perl, MySQL, Postgres, Redis, Apache, NFS, EC2, S3, Aurora, SES, Lambda, Docker, Debian*

July 2015 - September 2016, Lead Systems Administrator, Jones LLC

I helped develop hardware and software solutions that allow parents to keep better tabs on their children's web browsing habits and internet use.

- Maintained Java code written by contractor.
- Deployed and managed Bitbucket on Linode cloud.
- Wrote new Bash shell scripts, daemons, and utilities.
- Created custom Live ISO images for home network appliances with custom installation scripts, Systemd units, daemon scripts, and firewall rules.
- Configured custom firewall rules using ufw, firewalld, and iptables.
- Installed and deployed pfSense.
- Managed switch administration and network cabling.

Technologies: *Squid, Java, Bash, Linode, pfSense, Arch Linux, CentOS, pf, iptables, hostapd, Systemd*

Skills

Scripting Languages

- Bash, sh, Zsh
- Perl
- Python
- batch file
- Makefile

Databases

- Amazon Aurora
- MySQL
- PostgreSQL
- Redis

SCM Deployment

- GitHub Enterprise
- Bitbucket
- GitLab
- cgit

Webservers

- Apache
- nginx
- Apache Tomcat
- lighttpd

File Servers

- Amazon S3
- NFS
- SSHFS
- Google Drive API

Configuration Tools

- Ansible
- Shell scripting
- RDP
- Puppet
- SSH/Mosh
- AWS CLI
- AWS Config
- Amazon Lambda
- Linode API
- Cron
- Systemd and Init

Virtualization Technology

- Linux KVM
- Xen Server
- Bubblewrap
- Docker
- Linux Namespaces
- VirtualBox

Security Auditing

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

Security Hardening

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

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.

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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