Andrew Rogers
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GitHub
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 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
- PowerShell
- batch file
- Perl
- AppleScript
- Makefile
- Python
- Tk/Tcl

Databases
- Amazon Aurora
- PostgreSQL
- Redis
- MySQL
- SQLite
- Amazon DynamoDB
- Microsoft SQL Server

SCM Deployment
- GitHub Enterprise
- GitLab
- Bitbucket
- cgit
- Kallithea

Webservers
- Apache
- nginx
- lighttpd
- Microsoft IIS
- Apache Tomcat
- GlassFish

File Servers
- Amazon S3
- SSHFS
- NFS
- TFTP
- ISCSI
- SMB (Samba and DFS)

Configuration Tools
- Ansible
- Puppet
- AWS Config
- Cron
- Shell scripting
- SSH/Mosh
- Amazon Lambda
- Systemd and Init
- PowerShell
- RDP
- AWS CLI
- 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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