PHILIP BROWNING

Garner, NC 27529 • 720-428-9919 • philip741@gmail.com • https://www.linkedin.com/in/philip-browning-b2a05732/

Target: Web Developer
Portfolio: http://philipbrowning.github.io/portfolio
GitHub: https://github.com/philipbrowning

Engineering professional with 15 years of experience spanning Linux system administration, DevOps, programming, cloud operations, automation, software deployment, and security. Able to blend big picture thinking, detail orientation, and creative problem-solving skills to streamline processes and improve team productivity. Proven ability to manage multiple concurrent tasks and quickly learn and implement new technologies to support the business needs of fast-growing companies.

Areas of Expertise

Frontend: HTML5, CSS, Tailwindcss, Bootstrap
Backend: MySQL, MongoDB, Express, ReactJS, Nodejs, Handlebars, Sequelize

Programming Languages: Javascript • Python • Bash shell scripting

Hardware/Software: Redhat Linux • Jester • Ubuntu Linux • Vmware ESX • Vmware vRealize • VMware vSphere • KVM • Docker • Redhat IDM server • Redhat SSSD • Ansible • Jenkins • Kickstart • Git/GitHub • Vagrant

Other: Lightweight Directory Access Protocol • Sequelize

PROFESSIONAL EXPERIENCE

IBM/TRUVEN HEALTH ANALYTICS _____ 09/2012 – 05/2021
IBM Cloud Services & Monitoring – IBM | 09/2019 – 05/2021
- Worked with IBM cloud toolchains for CI/CD deployments, completed CIS-based security hardening of server, performed Kubernetes cluster patching, and troubleshooting.
- Implemented centralized authentication via Active Directory for legacy VM's and bare metal servers.
- Performed Node.js and JavaScript programming for an application to send alerts to Slack API.
- Improved notification to users of slack when their tickets were past due in the Service Now ticketing system by changing the JavaScript code to extend lookback from 10 to 30 days and isolate only the tickets related to team.
- Cut down one hour of manual work per day during the 2-week patching of Kubernetes clusters with toolchains in the IBM Cloud environment, by creating python code to read the CSV files generated within GitHub.

Unix/Linux System Administrator – Truven Health Analytics | 06/2013 – 09/2019
- Drove technology implementation and design and managed ~ 3000 SUSE Linux and Redhat Linux servers.
- Transitioned the entire Puppet code base and implementation of Truven's legacy systems to Ansible-based automation.
- Enabled proper authentication of Hadoop cluster through set up of System security services daemon (SSSD) and Ansible to maintain configuration of Linux servers, which were just set up with PAM-based local authentication.
- Assisted with infrastructure planning, developer support, and application installs.
- Used VMware ESX, Vcloud, and VRA for server virtualization.

Unix/Linux System Administrator – IBM | 09/2012 – 06/2013
- Administered RHEL 4.x and 5.x servers in an enterprise environment; performed some tasks with AIX servers and acted as on-call and break-fix support; held responsibility for Linux and some AIX operating system management.
- Led deployment of VMware ESX 4 based-virtualization and kickstart-based deployment setup.

BANKRATE INSURANCE _____ 11/2011 – 07/2012
Senior Linux Engineer (contract)
- Served as Linux Engineer in a primarily Windows environment; maintained environment utilizing Puppet and Satellite server.
- Held accountability for setup and maintenance of Redhat 5 and 6 Enterprise Linux servers.
- Performed troubleshooting and setup of Apache 2 and Apache tomcat instances.
- Monitored Linux servers using Zenoss; conducted release of PHP and Java code using subversion.
- Wrote and maintained some scripts to automate rsync, unison, and others.

IBM _____ 01/2011 – 11/2011
Linux System Administrator (contract)
- Contracted to work with the cloud computing team; administered RHEL 5.x servers in an enterprise environment.
- Deployed KVM and Vmware ESX 4 based virtualization, held accountability for kickstart-based deployment setup, and supported customers running virtual instances.

INFOCROSSING _____ 10/2010 – 01/2011
Senior Linux System Administrator (contract)

- Contracted to perform RHEL and SUSE Linux installs and resolve problem tickets for Linux enterprise-level customers; provided senior level-problem analysis to support lower-level teams.

SUNGARD AVAILABILITY SERVICES_____07/2010 – 10/2010
Senior Linux System Administrator (contract)
- Contracted to manage and troubleshoot Redhat Enterprise Linux ,Vmware ESX 3.5 ,Vmware Vsphere, and Solaris 9/10 machines in a Datacenter-managed hosting environment. Provided Tier 3 support to managed customers.

CLICKBANK_____04/2010 – 05/2010
Senior Linux System Administrator (contract)
- Contracted to administer Redhat Linux and Freebsd in an Ecommerce environment; maintained Cisco switches and routers; managed JBoss and Apache web servers; developed internal documentation and procedures.

JD POWER & ASSOCIATES_____10/2008 – 04/2010
System Administrator III
- Handled day-to-day administration of 200 Redhat Linux servers, 4 Vmware ESX 4.0 servers, developer support, Nagios monitoring, MySQL server 5.0, backup, SAN configuration, and various networking components.
- Managed Apache Tomcat servers, utilized Python to automate portions of server management, and supported developers in Java/J2EE environment; developed processes to lower deployment time of internal application from a week to 2 days.
- Performed periodic management of developer desktops running Centos and Fedora Linux.
- Administered Subversion servers for a team of internal developers.
- Provided daily support to internal Linux-based application and quality assurance team.
- Utilized Puppet to maintain configurations and prevent server drift.

TEKSYSTEMS (THROUGH MCKESSON)_____05/2008 – 10/2008
Linux Administrator (contract)
- Contracted to install Vmware ESX server host instances and VM's for internal testing environment; administered internal Linux servers and connections to EMC san devices; performed setup and configuration of Nagios for monitoring internal devices; staged Linux-based Mckesson applications; developed several Perl scripts to aid in hardware identification process.

SUNGARD/VERICENTER, DENVER, CO_____02/2006 – 05/2008
Security Operations Engineer ‒ Sungard/Vericenter | 02/2006 – 05/2008
- Monitored, troubleshot, and resolved various computer security issues in an enterprise-level datacenter environment; conducted monthly audit of 9 windows domains utilizing dumpsec.
- Tuned security devices for false positives, conducted virus/rootkit investigation; built custom reports with Python and XML.
- Performed security scans and penetration testing of new customer's servers using Nessus.
- Monitored exploits and attacks on 4 separate datacenters; raw packet capture from Cisco IDS for NASA security engineer.
- Assisted with setup of Cyberark Password vault server and 64bit RHEL 4 for Intellitactics Servers.
- Administered RHEL4 on 11 security servers; implemented/troubleshot Nessus and snort servers running RHEL 4 Linux/Debian.
- Monitored and updated Cisco IDS/IPS devices, investigated spam and phishing incidents, and escalated security events.

Data Center Support Specialist/Ops Senior Technician ‒ Vericenter | 11/2005 – 02/2006
- Held accountability for day-to-day data center operations in managed and collocation environment; responded to tickets in remedy system; monitored building HVAC, fire suppression, generator, and security systems.
- Performed installation/troubleshooting of enterprise server hardware; conducted install and configuration of Windows 2003 server and Red Hat Enterprise Linux; ensured servers were correctly cabled utilizing cat5, cat6, and fiber optic cabling.
- Performed tape backup using ADIC, Dell power vault, and preparation for iron mountain delivery.

EARLIER EXPERIENCE: Data Center Support Specialist (Ops Senior Technician) & Help Desk Support (TAC Technician) at First Data Merchant Services   Windows System Administrator at Billing911

EDUCATION & PROFESSIONAL DEVELOPMENT

University of NC - Certificate Full Stack Web Development (Jan,2022)

Red Hat Certified System Administrator (RHCSA)   Cisco Certified Network Associate (CCNA)

CompTIA Network+ Certification   Microservices Badge from IBM

Courses at Thompson Institute - Chambersburg PA   High School Diploma