David Billsbrough

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SUMMARY

Linux system administrator and programmer with extensive experience in operations and troubleshooting.

WORK EXPERIENCE

Current - 10/2019   **Contractor**, Embedded controller developer

08/2016 - 01/2018   **FIS Global**, Orlando, Florida

Operations Support II Technician. Application support on Red Hat Linux and Windows server.

08/2015 – 11/2015   **SoftNAS**, sub-contractor through Upwork.com

Systems administrator on a project for network storage in the cloud. Worked third-level tech support on CentOS 6 and ZFS file system. Performed troubleshooting on NFS and Samba.

08/2012 – 11/2014   **Computer Science Corporation**, subcontractor though TCML

Systems administrator on the Boeing I/T support contract for data center modernization team. Systems administrator on Red Hat Enterprise Linux (RHEL) version 5 and 6 servers. Modified user accounts, software installations and configurations per service request ticketing system on development and production servers. Worked with both physical servers via ILO interface and VMWARE virtual servers.

03/2002 – 01/2012   **General Dynamics Information Technology**, formerly **Anteon Corp.**, Orlando, Florida

Systems administrator in the Army National Guard programs. Systems administrator on RHEL 4 systems and tech support for Windows 2000, XP and Windows 7 laptops. Supported Microsoft Office products and simulation software. Wrote shell scripts in bash and C shell for installation of simulation software and for troubleshooting networks. Trained coworkers and Army National Guard personnel on using and installing Linux operating systems and simulation software. Maintained an Apache server to provide web-based services to the National Guard program. Performed troubleshooting on hardware and software issues. Created procedures to rapidly image systems for simulation hardware over network.

02/1987 – 11/1989   **United States Navy**

Data Systems Technician (E5). Stationed on USS Flately (FFG-21) guided-missile frigate. Held responsible for preventive and corrective maintenance of the AN/UYK-7(V) computers and peripheral equipment.

SYSTEM EXPERIENCE

- ❏ Installation of Linux (RHEL 5 & RHEL 6) operating systems on HP and DELL hardware.
- ❏ User, Group management for all Linux servers.
- ❏ Documentation of Linux environments and configurations.
- ❏ Troubleshooting on Red Hat Linux servers.
- ❏ Implementation of several native Linux services, such as NFS, DNS, DHCP, NTP, LVM, etc.

- ❏ Application of new patches and packages for FreeBSD and RedHat Linux.
- ❏ Installation and configuration of MySQL on Red Hat Linux and FreeBSD.
- ❏ Upgrading kernels for Linux and FreeBSD.
- ❏ Configuration of virtual IPs in Linux.
- ❏ Configuration of VMware to client's requirements.
- ❏ Installation of VMware ESX server on Dell servers.
- ❏ Configuration of Red Hat Linux 5.x, Windows XP virtual machines for various applications.
- ❏ Installation, configuration and administration of Exim/Postfix/Sendmail on Linux servers.
- ❏ Installation and configuration of Apache and supporting app teams on Linux production servers.
- ❏ Installation, configuration and administration of 500+ Red Hat Linux servers.
- ❏ Installation, maintenance and regular upgrades of Red Hat Linux servers using kickstart based network installation.
- ❏ Installation, configuration and troubleshooting of Linux servers.
- ❏ Administration of cron jobs and knowledge of iptables and MySQL.
- ❏ Upgrading of RHEL 4.0 to RHEL 5.0 using live upgrade and manual upgrade.
- ❏ Installation and customization of Red Hat Linux and FreeBSD servers.
- ❏ Installation and configuration of web servers using Apache on Linux and NT servers.
- ❏ Creating system disk partitions, mirroring root disk drive, and configuring device groups in UNIX and Linux environments.
- ❏ Troubleshooting, repair, installation and upgrade of software and hardware on BSD/Linux based systems.

SOFTWARE & OPERATING SYSTEMS EXPERIENCE

- UNIX (including Debian, Red Hat Linux, CentOS, Ubuntu, and FreeBSD)
- UNIX shells (including sh, csh, ksh and bash)
- PERL, Python, Ruby, and HTML
- Apache, and MySQL
- Mediawiki, Wordpress and various social media tools
- The C programming language

EDUCATION

- 11/1983 – Navy Data Systems Technician "A" School
- 07/2012 – Python3: Certificate of completion
- 06/2016 – Currently attending Seminole State College
- 04/2018 – LPI Linux Essentials
- 06/2019 – LPI LPIC-1

SECURITY CLEARANCE

Held Secret clearance.

INTERESTS

- Amateur Radio Operator (General Class)
- Member of local makerspace FamiLAB. Developed and led weekly classes on C language and on embedded controllers (2019 to 2020).
- Past director on the board of a non-profit Linux computer club