Derek C Carter

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Main Website — http://blog.friocorte.com/
Virtual Business Card — http://blog.friocorte.com/card/

Objective:

Create, Maintain and manage a world-class internet infrastructure by utilizing my Linux/Unix system administrator experience in deployment and server management automation.

Qualifications:

Programming/scripting languages

Perl, Python, Bash, TCL, RC(plan9 shell)

Technical writing

Proficient in both English and Spanish

Written course ware and lab exercises for training purposes

Certifications

- Red Hat Certified Engineer (RHCE) Cert #803004747509962

- Red Hat Certified Instructor (RHCI)

- Red Hat Certified Examiner (RHCX)

- IBM Certified Linux Instructor

Technology experience

Asterisk, PostgreSQL/MySQL, Snort/IDS, Xen, VMware, LDAP/Red Hat Directory Server, Linux, Solaris, Nexenta, OpenIndiana, ZFS, Active Directory Integration, Kerberos, Apache/IIS, DHCP(ISC dhcpd), DNS(BIND), iptables firewalls, Linux LVM, Samba, Linux/Unix Troubleshooting, Ticket/request tracking solutions, NetAPP storage, F5 load-balancers, Coraid EtherDrive Hardware/ATA Over Ethernet, Plan9, Inferno, Build integration/Deployment automation, Linux systems provisioning/maintenance automation (Cobbler, Puppet, etc), Git, SVN, BZR, Mercurial

Recent Experience

Coraid

QA Engineer February 2010 – March 2012 Tested and released new HBA drivers for the Solaris, Windows, and Linux platforms. Build an installation automation system to make installing and testing various platforms easier. Tested and released various firmware updates for Coraid appliances. Helped design and implement automated QA testing script frameworks (one in Bash, the other in Python). Helped design and install a new testing lab data center.

Cox Media Group Digital

Systems Administrator November 2009 – February 2010 Cox Radio Interactive was merged into the newly created Cox Media Group Digital. During the transition I continued with all of the responsibilities related to the servers managed by the Cox Radio Interactive group. I also helped design and create a new server platform for the future content management system being developed for this new group. I helped migrate various code bases from subversion, bazaar, CVS, and others to the Git revision control system. I built and maintained various systems and tools which were used for developer and sysadmin collaboration, including an IRC server. I built and configured an installation automation system using Cobbler and PXE.

Cox Radio Interactive

Senior Systems Administrator August 2007 – November 2009 Migrated entire technology team from CVS to Subversion leading to an easier to manage code base. Improved the internal software release tool, which decreased the time needed to deploy new software to production. Designed and built an entire new hardware architecture for a new version of our flagship products. Created and built a fully N+1 MySQL database server cluster. Helped manage a release of a new version of our flagship product. Developed many internal tools for monitoring overall network and system health. Created a new server deployment system based on Cobbler and Puppet which allows for rapid deployment of new server hardware. Created a improved pre-production/quality control/development environment based on virtual servers to allow for higher quality code to be installed on production servers.

Florida Department of Health

Systems Administrator III March 2006 – June 2007 Designed and deployed medium scale Asterisk VOIP solution for a virtual IT help desk. Maintained and supported state-wide, multi-agency, contact directory using Red Hat Directory Server, importing data from various different agencies. Created and maintained an automatic Linux install system, reducing time spent installing Linux considerably. Researched Linux migration paths/plans for future Linux needs or requirements of the agency. Prepared and presented training at internal departmental conferences.

Neverblock

CTO/Co-Founder 2004 - 2008 Developed systems, Interfaces, access devices, and products for Xen and Linux based virtual server company. Provide customer support for products developed.

Guru Labs

Linux Instructor December 2003 - March 2006   Helped create and maintain industry leading Linux course ware, ranging from introductory classes to high-level Unix-Linux boot camps, and troubleshooting. Taught 2–3 Linux courses per month. Contract instructor for such companies as IBM, Red Hat, Novell, and HP. Administered dozens of Red Hat certification exams (RHCT and RHCE).

Other experience

Prepared and given numerous presentations at conferences and special interest groups.

Active in my local Linux users groups, ALE and CHUGALUG

Author/Contributor to various open source projects