

# Derek C Carter

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<http://goozbach.com/contact/>

## Recent Experience

### Goozbach Infrastructure Solutions

**Linux Infrastructure Consultant and Instructor – December 2011 – Present** Successful Linux Consulting and training company providing support and best practices for companies in the telecommunications, training and technology fields.

Services provided include system updates, configuration management, installation automation, Bash and Python scripting, training delivery, training course development, and other systems administration tasks.

- Consulting customers on DevOps policies, procedures, and tools.
- Creating best practices for tools customers are using, including Cobbler, Puppet, and Ansible.
- Creating and maintaining virtualization and “private clouds”, allowing for better use of existing resources.
  - Utilizing OpenStack, SolusVM, OpenShift, Vmware, and VirtualBox
- Automating and scripting system administration tasks.
- Developed Linux training courses.
  - Course topics included [Linux Automation](#), and [Linux Network Management](#).
  - Course creation included slides, books, lab exercises, and virtual server environments.

### Coraid

**QA Engineer and Tools Developer – February 2010 – March 2012** “User number 1” for an Ethernet Storage company, which includes quality assurance engineering, testing, and tool/platform development; as well as product market research.

- Testing releases of Coraid HBA drivers for Solaris, OpenIndiana, Nexenta, Windows, and Linux platforms.
  - Integrating Coraid storage with ZFS and Linux LVM.
- Tested firmware updates for Coraid appliances.
- QA tool and platform engineering
  - Built an installation automation system using Cobbler to make installing and testing easier and faster.
  - Integrating Cobbler into a [Plan9 based PXE and DHCP environment](#).
  - Designing and implementing automated QA testing script frameworks built in Bash and Python.
  - Designing and installing a new testing data center.

## Cox Media Group Digital

**Sr Systems Administrator – August 2007 – February 2010** Leading media and publishing company with digital presence for Radio, TV, Newspaper, and direct marketing. Managing day to day operations, capacity planning, operations budgeting and leading a team of two systems administrators.

- Managing business merger.
  - Migrating diverse code bases from SVN, BZR, CVS and others to Git.
  - Building collaboration tools (IRC server, mailing lists, Request Tracker).
  - Designing new server platform for new business entity.
- Managing 100+ Linux servers serving 150+ high-traffic websites.
  - Built automation and configuration management systems using Cobbler and Puppet.
  - Migrating ops and dev teams from CVS to SVN.
  - Building and improving deployment utilities cutting down on deployment time.
  - Building proper DEV/QA/Staging/Production environments using KVM, Vmware, and Xen virtualization.
  - Building and improving continuous integration testing and monitoring systems.
  - Managing public DNS infrastructure for 200+ domains.
- Building a new hardware architecture for a new version of our platform.
  - N+1 redundant MySQL cluster, F5 LTM Load Balancers, Mod\_Perl and Apache, and NetAPP Storage.

## 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, using Perl and JQuery to create a call center monitoring wallboard. Maintained and supported state-wide, multi-agency, contact directory using Red Hat Directory Server, importing data from all of the different state agencies using custom Perl scripts. 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. Developed a Linux print server system using Samba which integrated with the Active Directory Authentication system. Used VMware as part of a fault tolerant infrastructure. Managed system configuration and Asterisk configuration using BZR.

## 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).

## Certifications

- Red Hat Certified Engineer (RHCE) Cert #[110-015-385](#)
- Red Hat Certified Instructor (RHCI)
- Red Hat Certified Examiner (RHCX)
- IBM Certified Linux Instructor

## 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

Prepared and given numerous [presentations](#) at conferences and special interest groups.

## Other experience

I am active in my local Linux users groups, [Atlanta Linux Enthusiasts](#) and [Classic Hackers UGA Linux Users Group](#).

I am the Author of/Contributor to these [open source projects](#).

I am one of the co-founders of the [GoOSe Linux Project](#).