

OBJECTIVE

To become an System Engineer working on various Linux Operating Systems

SKILLS AND CAPABILITIES

1) Programming Languages

- a) JAVA 1.5.x - 1.6.x
- b) MS Visual VB/C++ 2003 .NET
- c) DOS batch scripts
- d) HTML, Javascript, CSS
- e) Php, Perl, Java Servlets
- f) MySQL
- g) Python, Ruby
- h) InnoSetup Installer
- i) BASH Shell Scripting
- j) NSIS Installer

2) Operating Systems

- a) Windows 3.1x, 95, 98
- b) Windows 2000 Pro, XP Pro, Vista
- c) Novell (client/Server)
- d) Mandrake 9.1-10.2; Mandrake Move
- e) ArkLinux 9.0
- f) RedHat 8,9; Fedora 1-4, TinySofa
- g) Debian; College Linux; FreeBSD
Gentoo 2007.0; Slackware 9.1,10.2
- h) Ubuntu 5.10
- i) Windows 2003 Server (Standard
Edition) Video Recording

3) Word Processing Tools

- a) Open Office Suite, VIM, EMACS,
SciTe
- b) Word, Powerpoint, Excel, Access
- c) HTML-KIT, K-Office, AbiWorld
- d) BlueFish, Crimson, KWrite, Joe

4) Other Tools

- a) Rational Rose, Active Directory
- b) TogetherSoft, Exchange MTA
- c) Apache, vsftpd, ncftpd, Samba,
pro-FTPD, Iptables, Qmail, VPN
- d) Zope (CMF), MS-SQL Server, SUS
- e) SSH, MySQL, Oracle 8i, Tripwire
- f) FrontPage, Outlook, IDS, Proxy,
Cisco VPN, CISCO VPN, Voyager
- g) PhotoShop, Dreamweaver, mono,
tomcat,mambo, Oracle 10g

EXPERIENCE

- [JHU-Sheridan Libraries](#): System Administrator (Senior System Analyst) 2/2013 – Present
 - Worked on setting up Archival applications
 - Monitored and Setup Xen virtual environments for testing and production services
 - Installed Write Blocker, server RAM, HD, fiber card hardware
 - Secured and tighten linux CentOS servers, update CentOS servers
 - Installed, configured, manage glassfish service
 - Cleaned data sensitive machines-data scrubbing
- [UMD-School of Business](#): Assistant Director (Windows / Linux Administrator) 2/2012 – 2/2013
 - Work with students to further develop their plans on programming projects for various IT courses
 - Setup, Configured and installed MS-SQL Server 2010 to support business courses
 - Scripted and Automated process to generate mysql backup for web production server
 - Content Management on Website
 - Distant Learning Tools
- [UNC-CH Odum Institute](#): System Analyst (Linux Administrator) 7/2010 to 2/2012
 - Setup and configured ESX VMware instances
 - Setup and configured Amazon EC2 cloud computing instances
 - Automated procedures in populating the Dataverse Network
 - Manage LOCKSS AUs

- Wrote backup scripts for Mysql and PostgreSQL
- Compiled and installed software on servers
- Work with Amazon cloud VM instances
- Secure and tighten linux RHEL servers, update RHEL servers
- Install, configured, manage tomcat, apache, glassfish service

- UNC-CH School of Medicine: System Analyst (Unix/Solaris/Linux/Mac Administrator) 10/2007 to 7/2010
 - Setup and configured VMware instances for users
 - Jmeter stress testing
 - Plone Website configuration with load balance and buildout technology
 - Configured OSX 10.5 Xserve w/Ldap
 - Manages backup storage via SL500, L25 with legato software
 - Setup, configured, installed mediawiki
 - Setup, configured, installed mysql, wrote python script to add users to wiki
 - Coded in php via nusoap on Lyris
 - Setup, installed, configured console servers
 - Jumpstarted Solaris via network, configured Solaris, installed packages
 - Setup, configured, installed apple OS 10.4, 10.5, QTSS, httpd, firewall, user accounts
 - Setup, configured, installed Nagios 3.10 for monitoring servers
 - Monitor room temperature via room monitoring system, sanitize-replace hardware, upgrade software
 - configured, installed BIND, Sendmail, httpd
 - Wrote documentations, troubleshoot user issues

- Durham Technical Community College: Programming Instructor 1/2008 to 5/2011
 - Taught VB.net 2005
 - Taught Raptor programming
 - Taught Intro to Computers
 - Wrote a plugin C# dll toLower() and toUpper() methods for raptor
 - Wrote a student authentication, attendance tracking system via php

- Personal Consulting Website: www.kraeftigerkaese.net 8/2004 to present
 - Concept Mapping Development
 - Curriculum Design and Planning
 - Specialize in Open Source Applications
 - Obtain Oswald.org design templates and restructure CSS, html design
 - Install, setup, and configure Linux Operating systems (mainstream Linux OSes)
 - Install, setup and configure vsftpd, proftpd, apache, samba, mysql, zope, plone, etc.

- Appomattox Regional Governor school (High school Programming / Engineering Teacher) 8/06 – 6/2007
 - Applied Programming with C++ on MS-VS 2003/ MS-VS 2005
 - Java Programming w/ SUN Java SDK 1.5.08
 - Advanced Programming with C++ on MS-VS 2003/ MS-VS 2005
 - Java Programming w/ SUN Java SDK 1.5.08
 - Technology II programming with Visual Basic .NET on MS-VS 2003/ MS-VS 2005
 - Infinity Project I & II, a mix of topics ranging from hardware/software to cryptography to network security along with video, audio, sound (Independent Study)
 - Programming with JKarel, A Robot software with Java like syntax.

- Radford University: College of Education: Graduate Assistant (TRC) (Web Developer) (8/2005 – 5/2006)
 - Create webpages for the School of Education
 - Counselor Education, Reading, Elementary, Middle school, Secondary education, Graduate programs
 - Live Multimedia recording of counseling sessions, VHS → DVD conversion
 - Smartboard configuration / repair
 - Provided desktop support for windows platforms
 - Setup Slackware 10.2, Ubuntu 5.10, Fedora core 4.

- Radford University: Faculty Development Center: Webmaster: (5/2005 – 9/2005)
 - Setup Fedora Core 3 to create a testing environment for development with Apache, PHP, and MySQL
 - Setup and configure SAMBA, vsftpd for easy file transferring

- Radford University: Graduate Student Council: WebMaster (2/2005 – 7/2005)

- Maintain Graduate Student Council website and post new information
 - Worked on CSS, HTML and PHP hosted on the Radford University Unix/Solaris server
- TomRay, Inc., Network Administrator / Database Developer, September 2003 to December 2004
 - Manage Active Directory, Exchange (Versions of exchange) print/file server, and login scripts
 - Setup and Configure VNC software on windows and Linux for remote management and configuration with TightVNC
 - Install, Setup, Configure Redhat 9.0 Linux, Proxy server, MySQL, FTP, HTTP w/Apache and PHP, SAMBA. FreeBSD 5.2.1, Install, configure Slackware 9.1 as web server, Qmail, and Iptables,
 - Manage internal network with sniffing tools such as Snort and ethereal for monitoring unwanted UDP and TCP packets, reset switches, routers and transceivers Worked with Cisco PIX router, switches, hubs, and Fiber transceivers.
 - Develop Databases using MS-SQL server, create DB Schema and populate tables, Data Migration and Backups
 - Maintain or even enhance current VB codes for ODBC connectivity between Access and SQL-Server
 - Create Graphical User Interface with ACCESS
 - Managed and deployed SUS to maintain support for critical patches, security updates and Service Packs
 - Veritas Backups v8.x upgraded from 7.5.x
 - Created a detailed library of documentation for user support and company policies
 - Experimenting with Debian testing, FreeBSD 5.3, Tiny Sofa linux, Sun One 6.1, Oracle 9i, Bea Weblogic 8.1
 - Deployed Zope 2.7.3, Plone 1.2 on Fedora Core 2 for intranet file sharing, blogging purposes
- Premier Technology Group, Inc. → CACI, Programmer Technician, September 2002 to August 2003
 - Enhance SQL DB through performance tuning and optimization by creating Database schema, create Db tables with PK+FK, inject tables with data, and stress testing the tables
 - Install and Configure Zope, PHP, Apache, MySQL on the windows platform
 - Created automated package installs for windows platforms
 - Configuration of Apache web server, PHP, and MySQL on 2000/XP, Redhat8.0
 - Streamlined automated OS installation utilizing NSIS coding
 - PHP web development

PROJECTS

- Experimenting with MS-Visual Studio Express 2005 with C#, VB, and C++ (6/2007 - present)
- Occasionally help the various BOINC grid projects by running research software on desktops. (9/03 – 12/04)
- Completed a FTP Client with graphical interface utilizing Python and Tkinter (4/06 – 5/06)
 - Currently working on python to recreate the same FTP client with wxPython toolkit (5/07 – Present)
- Presented a Grid Computing paper Topic: Globus, and Information Security (Radford University: 4/06 – 5/06)

TEACHINGS

- My Practicum with Dr. Gary Ellerman Fall of 2005 was to co-teach an college level education course EDET 445 to the in-service teachers (8/05 – 12/05)

EDUCATION

- Master of Science, Master of Education concentration in Computer Science, Radford University (Radford, Virginia), 1/2005 – 12/2006
- Bachelor of Science, Information Systems, Virginia Commonwealth University (Richmond, Virginia), 1997-2002
- Associate of Art, Germanic Language, Virginia Commonwealth University (Richmond, Virginia), 1997-2002

EXTRACURRICULAR ACTIVITIES

- Spring 2005, Volunteer at Special Olympic south west Virginia Division (Dedmon Center)
- Fall 2005, Volunteer at Radford University Learning Assistance Resource Center, Math Tutor
- Summer 2003, VA Conference United Methodist Church, All God's Children Camp at Westview on the James in Goochland
- Spring 1999 to Spring 2002, Spent time to tutor German to many students who were taking the introductory German courses
- Spring 1998, Spent time to tutor some of the math students at the VCU Math Lab