

Joseph-William:Baker

available by private contract

Temporary Mailing Location:

Resume

Care of: 372 Lewis Street **Network Design / Systems Administrator** Home VoIP: (262) 806-4950
Near: [Burlington], Wisconsin <http://linkedin.com/in/j0ebaker> JoeBaker@DCResearch.com
Non-Domestic, Without the U.S.

A Seasoned Network Design/Systems Administrator and Windows/Linux systems integrator.

NETWORK DESIGN

Network design, migration and implementation. Experience includes use of traffic sniffers, protocol analyzers, Linux based routers, firewalls. Excellent grasp of email server integration/administration. Integrated an Open Source web/email virus scanner. Network cabling experience. Studied multi-internet connection firewall routing methodologies. Experience with VLANS & Quality of Service traffic shaping.

SYSTEMS ADMINISTRATION – Windows, Linux, AIX, MPE

Experienced with Computer Network technologies such as: Network File Sharing (Windows, Linux, Samba and NFS), DHCP, DNS, VPN, SSH, LDAP, Anti-Virus, Remote Computing Terminal Server Technologies (NoMachine, LTSP, VNC, Windows Remote Desktop)

Experienced with LVM Logical Volume Management, 3Ware hardware RAID adapters. Setup Microsoft Windows programs to run inside a Linux desktop environment. Repair and upgrades of computer hardware (fans, memory power supplies, hard drives, etc...) Migration of programs from one system to another. VMWare & QEMU Virtual Machine administration. Linux Kernel Compiling.

BUSINESS PLANNING, SALES, PR

Experience in writing proposals, preparing budgets, design of marketing materials, assisting in future infrastructure planning, trade show setup & exhibiting, technical sales support. Public relations.

ASTERISK TELEPHONE SYSTEMS

Maintain an Asterisk PBX system shared by Uccwi.com and BurlingtonLinux.org. Member of the South East Wisconsin Asterisk User Group since it's inception in early 2007. As early as 2005 have attended Asterisk Lectures. Read Asterisk documentation, presented about Asterisk to Linux user groups. Installed Asterisk in various ways (Ubuntu, AstLinux, TrixBOS, presently running PBX in a Flash.) VoIP Hardware experience includes 4 port FXO card, Sipura SPA 2000 Analog Telephony Adapter, Grandstream GPX2000 4 line phone.

TECHNICAL SUPPORT

Patient, pleasant with excellent communications skills. Experienced at supporting workers with computer questions, Web site troubleshooting and maintenance. Prepared and presented end user network security lectures. Migrated 35 users to Mozilla Thunderbird for email, Mozilla Firefox for web browsing. Implemented remote desktop assistance. Implemented and supported a Linux thin-client environment for nine users who used the system from day to day.

PROGRAMMING

Experience programming in the following languages: Python, Bash Shell Scripting, Perl, C, Forth, Assembly (6502 & 8080), SQL and Visual Basic, Amiga BASIC, Simon Basic(C-64).

EDUCATION

Cisco Networking - Waukesha Technical College, 1999 – Pewaukee, Wisconsin
Essentials of Wide Area Networking -American Research Group, Inc. 5/1998 - Chicago, Illinois
Unix Administration – ExecPC On the job training 1995-1998 New Berlin, Wisconsin
Practical Public Speaking – ExecPC On the Job Training 1998 New Berlin, Wisconsin
Visual Basic for Programmers – Ziff Davis Online University 1997
Intro to the AS400 – Waukesha County Technical College 1999 – Pewaukee, Wisconsin

EMPLOYMENT HISTORY

Network Security Administrator – NEL Frequency Controls - 3/2004 – 11/2007 - Burlington, Wisconsin

Network Upgrades included rewiring, purchasing managed network switches, adding *DHCP* and creating a separate *GuestNet*. Virtualized systems using *VMWare* and *QEMU*. Built an overhead raceway for rapidly running Ethernet to the Manufacturing floor. Maintain internal *DNS* records. *NFS* & *Samba* file server with access controls to file shares. Implemented Linux Desktop Server (Provides desktops to 15 users via *LTSP*, *VNCServer* or *NoMachine* via *FreeNX*). User training & support (one on one and lecture based). Email upgrade: Backups, *Webmail*, *Virus protection*, sharable mailboxes, *IMAP IDLE* support. Used *WINE* and *Crossover Office Pro* to run MS Windows applications on Linux (MS Office 97 & 2002, IE, ScreenJet, Visual Basic). Backup Systems employing a blend of tape, differential increments and off-site synchronization. Centralized LDAP authentication directory which provides POSIX and SAMBA account information to Linux systems. *Remote Administration* methods: *NoMachine's FreeNX*, *OpenVPN*, *SSH*, *VNC*. Implemented Verizon & T-Mobile cellular support for Sales and remote personnel. Implemented Printer Servers for spooling & filtering print jobs. Assisted with administration of HP3000 MPE based accounting system (GrowthPower), added TCP/IP & Telnet to this 18 year old system. Setup an Internet filtering system which restricts Internet Explorer to an allowed list of necessary web sites. Firefox web browser is allowed to browse freely.

Linux/Windows Interoperability Specialist - Digital Communications Research, Inc. 7/1999 – 3/2004 Hales Corners, Wisconsin (Consultant)

Providing network consulting & deployment services to businesses for their mission critical email, firewall and file-serving. Created HTML web sites. Deployed thin client computing using existing desktop hardware and a cluster of Linux servers to provide cost savings in licensing, hardware & maintenance efforts. This style of thin client computing using Linux also has important security benefits. Consulting on wireless networking security issues.

Provided troubleshooting feedback to Open Source projects such as:

- MondoRescue.org - A disaster recovery backup solution
- MandrivaLinux.com A Linux Distribution
- DansGuardian.org Web Filtering Program
- LTSP.org Linux Terminal Server Project.

Gave presentations on Networking, VNC Virtual Network Computing, & SSH to computer user groups.

Systems Administrator – Wauwatosa Police Department

10/2001 – 11/2002 Wauwatosa, Wisconsin

24 x 7 Support and administration of the public safety networks including many T1 data links. Windows 2000 Server, XP, 98, 95, IBM RS 6000 & Linux.

Provided indispensable assistance in bringing the mobile police computers on-line by coordinating Motorola, DM Data and the Milwaukee County Sheriff's department in troubleshooting efforts. Provided limited remote access to DM Data along with training of how to remotely control one of the squad car's computers. Improved response time to support requests. Limited Internet access to certain allowed sites & protocols using Watchguard Firewalls. Engineered ISP fault tolerant E-mail delivery. Administered McAfee & Symantec Anti-Virus Products. Generated SQL statements for Informix Database. Used software such as; Crystal Reports, Open Office, Norton Ghost, Dictaphone Freedom System, Remote Computing solutions using VNC and SSH to interconnect various operating systems, terminal emulators, Samba File sharing and Microsoft Office.

EMPLOYMENT HISTORY (continued)

System Administrator, Training Adviser – CareerTech, Inc.

1/2001 – 6/2001 West Allis, Wisconsin

Co-Administered a 60 node network. Managed ISP selection & switchover processes, implemented backup Internet connection, DHCP server & remote administration capabilities on Windows & Linux Servers. Maintained, configured & upgraded Linux firewall. Maintained web based training server.

Internet Systems Consulting & Technical Support – ExecPC, Inc / Voyager Networks

3/1995 – 7/1999 New Berlin, Wisconsin

Consulted with businesses to design custom Internet connectivity & hosting solutions. High level technical support. Assisted in marketing efforts and a professional referral program. Administered a relational database using Microsoft Access which published password protected reports tracking referrals for each participating computer store. Was often chosen to handle difficult customer negotiations because of my interpersonal skills and genuine concern.

COMMUNITY INVOLVEMENT

BurlingtonLinux.org: A founding member & coordinator

Milwaukee Linux User Group: Have been a participant since 1998.

Community Arts Technology and Health Education Center: Volunteer IT Administrator

Acting in various community theater organizations

“Have a Nice Day!” campaign