

Matthew B. Brookover

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Objective

No real objective for now, I am currently employed at the Colorado School of Mines. This Resume is here to test the new personal home page tool that has a spot for a resume.

Skills

Twenty years experience in the IT industry installing, programming and maintaining complex systems.

Systems Administration

- Installed, configured, maintained and programmed systems running various Unix platforms including Linux, BSD, AIX, Ultrix, DG/UX, Solaris, and also have experience with Microsoft Windows and Macintosh.
- Set up and maintained services, NFS, Samba, Apache, FTP, ssh, DNS, GFS, LDAP, Kerberos, and others.
- Designed and configured clusters of servers using tools from the Redhat Cluster Suite, Linux HA project and Redhat Global File System.

Programmer

- Developed critical systems in C, C++, Unix shell scripts, Perl, InstallShield, SQL, HTML and Informix 4gl.

Network Administrator

- Configured TCP/IP on many Unix systems, Macintosh, and Windows.
- Installed and configured Cisco Routers for use on both the Internet and Intranet.
- Set up firewalls using Linux, FWTK, ipchains and iptables.

Database Administrator

- Managed Informix and PostgreSQL databases and have extensively used Oracle.

Education

Master of Science/Computer Science

June 1996 University of Denver Denver, CO

Bachelor of Science/Computer Science

June 1991 University of Denver Denver, CO

- Minors in Mathematics and Physics

Professional Experience

Information Technology III

March 2004 – present Colorado School of Mines Golden, CO

- Develop web page to add users, change passwords and report disk quota on various systems running AIX, Windows, and Linux.
- Design and develop cluster of servers to support campus email, using RedHat GFS, sendmail, UW-IMAP, and network traffic load balancers from Linux HA project.
- Configure and maintain ISCSI SAN from Left Hand Networks.
- C, C++, and perl programming on various CGI, user management, and other tools.
- Deploy OpenLDAP and Kerberos servers, convert AIX crypt(3) passwords into Kerberos principals.
- Deploy and maintain Apache and PHP on Linux and AIX, help migrate web content from AIX based web server to Linux, configure mod_rewrite to proxy content from old server to new server during migration.
- Maintain MySQL data base for web use.

Systems Engineer

June 2003 – March 2004 Equitec, Inc Westlake, OH

Equitec purchased all of Opus Interactive's assets and offered the employees jobs in June of 2003.

Systems Engineer

January 2002 – May 2003

Opus Interactive Inc.

Arvada, CO

Opus Interactive was sold to Equitec of Cleveland Ohio in May of 2003.

- As part of a new business venture, created new systems to support direct marketing on the Internet and traditional mail, principal infrastructure architect including selection of OS, hardware platforms, database engine, development environment and use of co-location facility
- Selected, configured and installed Linux based servers, RAID disks, and backup solution.
- Designed and developed software to deliver high volume advertising campaigns. Functions included mail delivery, processing of undeliverable mail, web site log analysis and consumer response tracking,
- All software was developed using Postgres, Perl, Shell, qmail and was designed to run on Linux.

Advanced Software Engineer

November 2000 – September, 2001

MatchLogic, Inc

Westminster, CO

Improved the productivity of Insite development team by providing support for source control, software installations, configuration management, and improved turnaround time on builds.

- Developed process and tools to guarantee reliable and consistent compilation, configuration, and installation of multi-tier Java application using Net Deploy, Perl, GNU Make, ksh, and Oracle.
- SCM/Build Manager, developed migration plan from Continuous to CVS.
- Worked with account managers to configure and Install Insite for new customers.
- Analyzed Insite performance and capacity planning.
- Supported ad server update process.

Lecturer

August 2000 – December 2000

Colorado School of Mines

Golden, CO

Taught "Operating Systems Design and Development" for department of Mathematics and Computer Sciences for 30 junior and senior students.

- Prepared and presented 2 lectures each week.
- Wrote and graded homework assignments and exams.
- Assisted students with homework and exams; explained workings of compilers and operating systems.

Staff Software Engineer

July 1999 – November 2000

IBM

Boulder, CO

Provided AIX, TCP/IP, Infoprint manager, Linux, Solaris, and HP/UX support on the AIX Support team within the IBM Printing Systems Division.

- Provided technical support for Infoprint manager development and QA groups.
- Maintained AIX servers running Infoprint Manager and helped support printing on clients running Unix, Microsoft Windows, VM, MVS, OS/2 using 120 printers and lead a project to reduce the number of printers to 30 centrally located high volume printers at a substantial savings.
- Installed, configured, and maintained AIX servers running InfoPrint Manager.
- Provided AIX Help desk support.
- Conducted ITCS204 and ITCS300 Security certifications.

Systems Programmer/Database Administrator

June 1995 – July 1999

SKLD Information Services L.L.C.

Denver, CO

Initially I was the only programmer and DBA in SKLD's 3 person IT department. As the department grew to 9 people, I assumed a team lead role, guiding the use of technology throughout SKLD.

- Designed, developed, and implemented programs to automatically retrieve and process county-recorded documents. This system reduced the resource requirements for processing county-recorded documents by 80%.
- Designed and developed programs to index images scanned from microfilm, fiche, aperture cards and plat maps using Microsoft's Visual C++ and AccuSoft's Gear tools DLL.
- Maintained a mission critical Informix data warehouse with over 65 million records and developed software to extract data in Informix 4gl.
- Installed, configured and maintained numerous Unix servers and microcomputers running NT 4.0, DGUX and Linux with 98.9% uptime.
- Installed, configured and maintained mission critical LAN/WAN, Cisco routers and network firewall.

Contract Programmer

June 1997 – December 1998

University of Denver

Denver, CO

Designed, developed, and implemented a program to download, install and configure Netscape and QVT under Windows 3.11, 95, 98 and NT for 1200 students. This program allowed the University to add hundreds of workstations in the residence hall to the campus network each day.

- See <http://home.comcast.net/~matthew-brookover/installer.html> for more information.
- Program was well received at ResNet '98 (Residential Networking Conference). Upon demand, source code was made available on the Internet through the University of Denver.

Senior Software Specialist

April 1987 – June 1995

University of Denver

Denver, CO

Over 8 years on staff at the University of Denver, I helped design, build and maintain the University's campus network, computer labs, and central computing facilities.

- Installed, configured and maintained AIX, BSD, Ultrix and OSF/1 on IBM RT, RS6000, DEC VAX, DEC Systems and DEC AXP systems for 8000 students, faculty, and staff throughout the University.
- Designed, developed, and implemented programs to automate the addition and removal of Unix users on AIX, BSD, Ultrix, and OSF/1.
- Designed, developed, and implemented programs for operator's menu to allow operator to change passwords, run backups, reboot systems, monitor disk utilization, change user's disk quota, view error logs on systems running AIX, BSD, Ultrix, and OSF/1.
- Maintained Unix servers, HTTPD, Sendmail, BIND, NFS, inetd, etc.
- Maintained Cisco routers and terminal servers.
- Assisted with design and implementation of residential network and training of student consultants to maintain network.
- Modified BSD 4.3 source code to implement shadow password file.
- Designed and implemented computer security procedures to deal with computer viruses, worms, and attacks on central hosts.