

W. Earl Allen

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Experience Summary

Flight Instructor, Network Engineer, Systems Administrator, and IT Manager, with more than 15 years of flying and 20 years of Systems Administration and IT management experience.

Hardware/Software/ Protocol Experience

Aircraft: Cessna 172, 172RG, 182, 182RG, 310; Pitts S-2B, S-1E; Beechcraft BE-76 Duchess; Diamond DA-20 Katana; Piper Archer, Arrow, Warrior

NOS: Solaris 8,9,10; AIX 5.2, 5.3; Macintosh OS 9, 10.x; Red Hat Enterprise 3,4 (Centos 4.x, 5.x); SuSE Linux Enterprise Server 9, 10; Mandriva/Mandrake 9, 10 (2006.x); Windows Server NT, 2000, 2003 (AD); Citrix MetaFrame; MS Office

IP Network Infrastructure: DNS (ISC BIND, DHCP), OpenLDAP, NTP, NIS, NFS, Samba, rsync, SSH, Ethereal

Grid/Clustering: Sun Grid Engine 6

Security: IP filter firewalls (ferm, Shorewall)-NAT; Cisco PIX 6/ VPN/ TCP-IP/ SSH

Routers/Switches: Cisco Catalyst 5000 and 1900; Netgear; Dlink

Message Collaboration: Bynari Insight Server 4.x, Postfix, Cyrus IMAP, Remedy, Jabber, MS Outlook, MS Word

Databases: MySQL 4,5, Postgresql 7,8, Oracle 8,9, MS Excel

Web Server: IIS5, Apache 1.3, 2.x, Zope

Scripting: csh, bash, ksh, Perl, Python, tcsh, Ruby

Backup: Symantec (Veritas) Netbackup; Tivoli (ADSM)

Education: M.A. English Lit., Andrews University, 1979/ B.A. English Lit., Pacific Union College, 1975

Employment Experience

Journeys Aviation, Broomfield Colorado [June 2008-Present]

Certified Flight Instructor, Airplanes: CFI, Commercial Instrument AMEL, ASEL

Summary: Teach Private and Commercial Part 141 flying students

- Helped students learn the knowledge and skills of flying, both on the ground and in the air.

TEKsystems/Sun Microsystems, Broomfield Colorado [April 2007-April 2008]

Solaris Systems Administrator, x64 Hardware Support

Summary: Administer Solaris 10, Remote support for entire range of Sun x64 computers running Solaris 10, RHEL 4, and SLES9

- Installed and administered Solaris 10 on Sparc Ultra 10, including zfs filesystem, containers and zones
- Advised Sun customers regarding hardware issues on all of Sun's x64 computers, including BIOS upgrades, hardware diagnostics, ILOM and ALOM remote management, and OS issues for Sol10, RHEL and SLES
- As part of a team stretching across the country, supervised cases and their resolution through Radiance and IBIS.

CDI/IBM/Xcel Energy, Golden Colorado [November 2006-March 2007]

Unix Systems Administrator

Summary: Administered Solaris 9 and 10, SuSE Linux Enterprise System 9, and AIX 5.x, servers in an extreme High Availability environment using Remedy as the change-management tool and a 16TB IBM SAN for storage

- Installed and implemented network install server for SuSE Linux Enterprise Server 9
- Built, tested, and implemented three large SLES 9/Oracle servers with IBM SAN storage
- As part of a team that included members in India, helped administer ~150 servers for a public utility requiring 24/7 availability

Everest College, Thornton Colorado [October 2006-Present]

Adjunct Instructor

Summary: Teach classes in Networking Fundamentals, Windows 2003 Server and Infrastructure, American Literature, and English Composition

- Used innovative teaching methods like games to engage and educate
- Incorporated computers and the Internet in teaching both literature and composition

Cornice, Inc., Longmont Colorado [September 2003-August 2006]

IT Manager, Engineering IT Manager

Summary: Managed entire IT infrastructure and three colleagues, responsible for network, OS, and hardware for entire organization

- Installed and implemented Sun Grid Engine 6 on 12 CentOS 4.2 computers for ASIC simulation
- Installed and implemented Bynari Insight Server Email/Collaboration server
- Installed and implemented Cisco PIX 6.x firewall/VPN
- Installed and implemented dozens of RHEL 4, Centos 4, Mandriva 9,10 servers and desktops
- Designed, installed and managed IT infrastructure for factory in China using open source tools
- Responsible for secure WAN communications with factory and office in China using VPN/SSH

DeVry University, Denver, Colorado [July 2003-October 2003]

Instructor

Summary: College level instruction in Network and Web architecture

- Taught intermediate college classes in Networking Connectivity and Web Architecture
- Prepared, tested, and administered lab exercises using Red Hat Linux 8.0-9.0, Apache 2.0.47, MySQL 4.0.14, PHP 4.3.2, Windows 2000 Server, IIS 5.0, Zope 2.6.1, and Squishdot 1.5.0
- Created PowerPoint presentations, lesson plans, quizzes, tests, and projects

OAO Services, IBM Plant, Boulder, Colorado [April 2002-March 2003]

AIX Systems Administrator

Summary: Team management of all services on numerous AIX systems

- As part of a team, administered over 400 AIX boxes at the Printing Systems Division of IBM
- Created complete installation system for OpenSSH on pristine AIX; modified insecure rsh administration system to use OpenSSH
- Used Tivoli Storage Manager administration tools to help back up about 100 AIX boxes at IBM PSD
- Aided in migration of AIX systems from Token Ring to Ethernet networking at IBM PSD

TEKsystems, Lakewood, Colorado [June 1998-October 2001]

Systems Engineer

Summary: Systems and Network Engineer for large bureaucracy

- Wrote specifications for procurement of NAS servers and standard Windows desktops, notebooks, and servers for large bureaucratic computer buy
- Compiled on AIX 4.3.3, installed, tested, and deployed Zope 2.x as a searchable front end to a Technical Reference Model and a large set of Information Bulletins in HTML format
- Installed, tested, and deployed Citrix MetaFrame 1.8 on Windows 2000 Server as a front end to an Oracle 8.1.7 client-server procurement system used nationwide over WAN
- Installed, tested, and deployed IBM HTTPServer powered by Apache at national website of large bureaucracy
- Compiled, installed, tested, and created ksh scripts for tarfile installation deployment of Samba 2.07 on AIX 4.3.3 in Windows NT 4.0 environment. Also compiled, installed, tested and deployed Samba 2.2.1a for heterogeneous test lab environment.
- Wrote the Platform chapter of the Information Technology Architecture's Technical Reference Model for a large bureaucracy
- Installed and administered a large Informix 7.x GIS database hosted on AIX 4.2.1
- Installed complete NIS system across multiple subnetwork boundaries
- Updated DNS to BIND 8.2.1, compiled with GCC 2.95; wrote install scripts to update both AIX 4.2.1 and 4.3.2
- Installed and tested 3000+ feet of Category 5 UTP cabling and patchbays
- Cleaned up complex user privileges on diverse computers without the aid of NIS
- Helped implement complex 3-domain DNS system

Scitex America Corporation, Denver, Colorado [May 1993-February 1998]

Remote Support Specialist

Summary: Telephone support for high-end color prepress system based on AIX

- Solved production-stopping problems in networking, hardware and software for customers all over the Western hemisphere in highend color prepress environments
- Wrote, edited, compiled and published electronic documentation and software for integrating Windows into highend-color prepress
- Assembled, installed and integrated 12 node 10BaseT/10Base2 network
- Assembled, installed and integrated RS/6000, Macintosh and IBM PS/2 and PC Compatible hardware and software with emphasis on SCSI troubleshooting and integration

Altsys Corporation, Plano, Texas [February 1988-January 1993]

Technical Support Manager

Summary: Telephone support for diverse software

- Solved font-related problems for worldwide customers of Altsys Fontographer on both MacOS and Win 3.1
- Coached team of three phone support technicians
- Installed and administered 10Base2 and 10BaseT network

Data Tailor, Inc., Fort Worth, Texas [March 1986-February 1988]

Technical Support Manager

Summary: Telephone support for cutting-edge Macintosh spreadsheet software

- Solved spreadsheet problems for customers of Trapeze, the visual spreadsheet on MacOS
- Designed, wrote, edited, desktop published and Linotyped manual for Trapeze

Computerized Business Systems, Fort Worth, Texas [May 1983-March 1986]

Programmer/Analyst

Summary: Wrote, debugged, installed, and implemented accounting and database programs

- Designed, wrote, maintained and supported a wide range of accounting and database programs written in AlphaBasic
- Assembled and troubleshot problems with PC Clones

Southwestern Adventist College, Keene, Texas [June 1980-May 1983]

Computer/English Instructor

Summary: Designed and implemented CIS curriculum

- Taught classes in Basic, Assembler, Database, and Intro to Computing
- Taught ESL and Freshman Composition