

Geoff White
2711 McGee Ave • Berkeley, CA 94703
510-295-4514 • netengadmin@gmail.com

Sr. UNIX Systems Engineer • Sr. Systems Programmer • Network Engineer
Virtualization • Performance • Root Cause Analysis • Security

Veteran Unix Systems Engineer with extensive experience in Systems Programming, Systems/ Network Administration, Virtual Infrastructure deployment and Engineering Management. Broad competency gained from over two decades of front line engagement with major industry players, international banking establishments and Internet start-ups. An innovative Team Leader with excellent communication and interpersonal skills honed from starting some of the early years ISPs of the 90's and providing international Professional Services, and Enterprise Virtualization Support for multinational companies in the 21st century.

Partner Management • Program Management • Team Leadership • Infrastructure Scripting • C/C++ Development
• Python Development • Network Programming • Network Troubleshooting • High Capacity Circuit Provisioning •
Remote Diagnosis • Performance Testing and Analysis • Training Delivery • vSphere • ESX

PROFESSIONAL EXPERIENCE

VMware Inc San Francisco, CA (Jan. 2007 – Present)
Market Leader in Enterprise and Desktop Virtualization and Cloud Computing

Service Account Manager MCS division (2009 – Present)

Account Manager , providing Enterprise Account Service management to VMware's Business Critical Clients. I work with many of the Fortune 500, as well as Governmental Agencies that have paid for service above premium. I work with Technical Account Managers and VMware Engineering on a daily basis to resolve escalated issues. I also develop software tools in Python such as **esxplot**, a graphical front-end that is used to visually present performance data from ESX hosts. **ESXcmdr**, an expert system designed to diagnose problems by examining log files and support dumps and various custom programs using the vSphere SDK.

Tier 3 Enterprise Support Engineer ASP division (2007 – 2009)

Senior Technical Support Engineer, providing Enterprise Support to VMware's Partner Affiliates including the "Big Iron" Firms, HP, Dell, IBM, Sun Microsystems and Fujitsu. Assigned issues escalated from partner's Tier 1 and 2 Personnel and worked them to completion. AS a TSE3, I worked with VMware Engineering to resolve particularly tough problems.

Verizon Business San Francisco CA (Jan 2006 – Jan. 2007)

Enterprise Site Management and Monitoring division

Site Reliability Engineer (Nov. 2005 – Dec. 2006)

Level III SOC Engineer for the former Totality e-commerce infrastructure, construction and management company. Daily duties included WebSphere, Dynamo and ATG operation and management, troubleshooting DNS, NTP and SMTP problems, restarting systems, coordinating hardware swap-out, various systems management tasks on Solaris, HP-UX, AIX and Windows 2000/3 Server, diagnosing network reachability issues.

GW Communications Inc. San Francisco, CA (Jan 1996 – Dec 2005)

A privately owned Internet Infrastructure Engineering and Development Consulting Company. The Parent Company of *Virtual Sites*, provider of Web Hosting and Connectivity to the San Francisco Bay Area and beyond.

Systems/Network/Software Engineer

Over this 9 year period, I provided systems, network and server engineering to several "dot.com" companies in the San Francisco Bay Area. Some of these companies co-located servers at Virtual Sites, others co-located at data centers in the immediate area. Duties included Perl programming, server construction, machine upgrades and migrations, firewall construction, internetwork design, security monitoring and system hardening

Developer, DroidOS Project**Berkeley, California (2006)**

DroidOS is a special OpenBSD kernel with a small footprint, (< 1.5 MB), no swapping device, and designed to be installed on Flash RamDISK. It is designed to be used in embedded systems like the soekris Net4801. I have deployed this kernel and the associated userland as a filtering bridge, a routing firewall, and a secure ftp gateway to a large web hosting server.

MailDroid is an Open Source project that I started to provide a SPAM fighting MFG (Mail Filtering Gateway). Built around DroidOS, sendmail, SpamAssassin, smpt-vilter, ClamAV, sasl2 and SquirrelMail. The "install CD" can be used with any PC. The software is in use as the MTA/MFG of a local ISP, a collaboration ASP and had been downloaded by over 300 users world-wide. I was responsible for all programming in C, PHP, Ruby and Perl. In addition to the programming, I configured new kernels, debugged and burned CF file systems, and set up development networks for other engineers.

Professional Services Consultant, Sun Microsystems Asia/Pacific (1998 – 2004)

I have traveled to the Philippines, Thailand, Singapore and Indonesia as an Internet Engineering and Security Professional for Sun Microsystems Professional Services division. Over this 6 year period, I've made 8 trips, each lasting 4 weeks on the average. During these trips, I have worn many hats. Due to my depth of knowledge, experience and reliability, I often found myself in presentation situations, delivering results to the client. At other times, my work was much more "nuts and bolts", from diagnosing noisy E1 circuits, to performing Penetration Tests for Thai banking establishments to performing engineering management for a team of Sun consultants building a medium scale ISP. I love to travel and work in different cultures and my developed interpersonal skills have served me well in the international arena.

Server Engineer, Exemplary Inc. Menlo Park, CA (1998 – 2005)

I designed and implemented the first Exemplary enterprise network in 1999. The original network allowed the 7 member office to connect to the Internet using frame relay via an Ascend pipeline 220 access router with built in firewall firmware. The employees could connect to the office LAN from their homes via ISDN, through an Ascend Max ISDN remote access router. The office LAN was managed through a Cisco Catalyst 2900 switch. When Exemplary expanded and moved their office location, we designed and implemented an upgraded network that could accommodate over 150 employees. The frame relay connectivity was replaced by a clear channel T1, replacing the Pipeline 220 with a Cisco 2621 router and a Cisco PIX firewall. Intel VPN was used so that employees could subscribe to available DSL services and tunnel through to the office LAN. The 2621 was also configured with EIGRP to provide fail-over of the T1 with an ISDN BRI circuit. Virtual Sites provides the network connectivity and GW Communications provides the Network Maintenance for the Exemplary Network.

Enterprise Integration Technologies Menlo Park, CA (1995 – 1996)

Research firm. Specializing in e-commerce solutions for government and business, eventually acquired by Veraphone.

Member of Technical Staff

Prototyped a Unix network daemon, **xsbd** that allowed for persistent connections between a large pre-existing PROLOG application and a newly crafted web front end running on Apache. This was under contract to the US Air Force. Code was in C, C++ and PROLOG.

InterNex Information Services Menlo Park, CA (Jan 1993 – Jan 1995)

Research firm. Specializing in e-commerce solutions for government and business, eventually acquired by Veraphone.

Director of Network Operations

Co-Founder and first Director of Network Operations of this pioneering Internet Start-up. Debugged bleeding edge Ascend Communications PRI/BRI devices. Personally provisioned and connected over 300 customers to the early commercial Internet. I managed an extensive Frame Relay network, junior System Administrators and the customer support staff.

Carlyle Systems

San Mateo, California (1993)

Contractor

Designed and implemented a complete Build environment based around SCCS and Make. This enabled developers to “check out/check in” their code, have nightly builds, sandboxes, and track changes made for release management.

Isys Controls

Alameda, California (1992)

Embedded Systems Programmer

I programmed a stand-alone Image Processor built by COGNEX (which eventually acquired the company) to process data captured by Isys’ line cameras. Once the image was processed and compared against a golden template, the resultant was transferred via IPC to a VxWorks system for upload. Code in C under Unix and Vx-Works.

Sun Microsystems

Mountain View, CA (1987 – 1991)

“Big Iron” Manufacturer and integrated software provider

Member of Technical Staff IV

I successfully ported the **pixrect, sunview and suntools** libraries and the SunView window system from the standard M6800 platform to the Intel 386. I created a tool to optimize working set sizes of running processes in a SUNOS 4.x environment. This enabled small memory footprint systems to realize better performance. Coding was performed in C/C++ and SPARC, x86 and M68000 assembly language.

EDUCATION & CREDENTIALS

Electrical Engineering and Computer Science, Worcester Polytechnic Institute, Worcester MA (1976-1980)

TECHNICAL SKILLS

Operating Systems: VMware vSphere, Linux (Red Hat), Ubuntu Linux, Windows Server 2003, OpenBSD,

Languages(years): C(20+), C++(20+), bash(20+), Python(2+), Java(2+), x86 Assembly (10+)

Hardware: HP DL/BL series, Dell 2900 series, IBM X series, Sun M4xxx series

Certifications:: VCP(4), CCNA+BCMSN

Training:

Cisco Networking Academy • VMware VCP • ESX/vSphere 4.0 Troubleshooting • Building Cisco Multilayered Switched Networks (BCMSN v3.0) • EMC Storage Technology Fundamentals