Smoot Carl-Mitchell
Scottsdale, AZ
Unix and Network System Architecture, Security and Administration
e-mail: smoot@tic.com
Voice: +1 480 922 7313
Cell: +1 602 421 9005

Background Summary

Mr. Carl-Mitchell has over 25 years of experience with computer and network system design and programming. His primary fields of experience are with the TCP/IP protocol suite, Unix/Linux system architecture and administration. He is also an expert in network and computer system security. He has co-authored 3 technical books on networking with Unix and TCP/IP and authored numerous papers on technical issues related to TCP/IP networking and Unix system design and administration.

He has helped design and implement networks for Fortune 1000 companies including the design and implementation of routing infrastructure, DNS, email, Web services and network security policies. He has also lectured and given tutorials on TCP/IP, electronic mail systems, DNS, and network security.

Mr. Carl-Mitchell is also an expert programmer and has designed and written several open source software systems in C, Perl and HTML, including a DNS management system, an IP address allocation management system, a generalized CGI database interface system, and a Web management interface for NIS and LDAP services on Unix systems. In addition he has written numerous tools to assist in the management and automation of common network and system administration tasks.

Mr. Carl-Mitchell's great strength is his ability to analyze a complex problem and come up with a design which integrates seemingly disparate parts into a seamless solution which is both extensible and scalable.

Professional Experience

TIC March 2004 - present

Currently, Mr. Carl-Mitchell is the Owner and Principal System and Network Architect at TIC. In his current role, he provides high-level technical architecture design expertise for the deployment of networked GNU/Linux and Unix systems. He also gives presentations on Open Source software issues.

Distributed Techtonics October 2003 - February 2004

At Distributed Techtonic, Mr. Carl-Mitchell is working as an architect for IBM Global Services at their Honeywell account. In his present position, he designs hardware and software solutions for both Unix/Linux and Windows platforms to meet specific customer requirements.

Corio Inc. September 2001 - September 2003

At Corio, Mr. Carl-Mitchell was the Senior Systems Architect for Corio's datacenter operations. He was the lead technology resource for the design and deployment of Corio's large scale Unix servers. He was also is the principal resource on network design, DNS, email, and network and system security. He also participated as one of the lead architects in the design of a scalable system architecture for the automatic deployment and maintenance of ASP services for complex applications including Oracle Applications and PeopleSoft. This work required in depth knowledge of the underlying system design of these applications.

Aperian/Fourthstage Systems Jan 2001 - September 2001

At Aperian, Mr. Carl-Mitchell was the chief design architect for a managed services platform utilizing Open Source software tools including MySQL, NetSaint, USCD-SNMP and secure email (SMTP-AUTH). He also served as a Professional Services consultant in network design, systems integration and system and network security.

ClearData Communications Dec 1999 - Dec 2000

At ClearData, Mr. Carl-Mitchell led a team of 10 analysts in designing and architecting ClearData's managed services. This included designing scalable Web, email, directory, and Oracle applications on Compaq Tru64 systems. Mr. Carl-Mitchell was also involved in the architecture of the naming and addressing standards for ClearData's national network. He was also involved in recommending vendor partners for integration into the ClearData network and systems architecture.

Information Technology Partners Dec 1998 - Nov 1999

As a senior consultant, Mr. Carl-Mitchell consulted on Internet technology issues including network systems architecture design, support services design (e.g. DNS, email) and network and network and host system security.

Virtual Resources Jan 1998 - Nov 1998

Mr. Carl-Mitchell was responsible for technical leadership in the area of TCP/IP networking and the Internet. He consulting with several large telecommunications and technology companies in the area of technology planning and network security.

Texas Internet Consulting Jan 1987 - Jan 1998

Mr. Carl-Mitchell was the owner and founder of TIC. TIC specialized in TCP/IP networking technology and connectivity to the Internet. At TIC, Mr. Carl-Mitchell consulted with both large and small organizations in the area of TCP/IP networking. At the same time he also cofounded Zilker Internet Park, an ISP in Austin, Texas.

Computer Sciences Dept. UT Austin Aug 1983 - Dec 1986

Mr. Carl-Mitchell was Responsible for the system management of 6 VAX and over 20 Sun and SGI workstations for the department. He helped implement the LAN architecture for the UT Austin campus. He worked on the early design and deployment of the DNS system. He designed the UT campus email system

architecture and developed administrative procedures and programs for the installation and maintenance of the departmental computing systems.

Computation Center UT Austin Jan 1980 - Jul 1983

Mr. Carl-Mitchell helped maintain and develop database management systems software.

Execucom Systems Jan 1979 - Dec 1979

Mr. Carl-Mitchell was responsible for the development and maintenance of the firm's major software system (IFPS).

UT Austin Sep 1976 - Dec 1978

Graduate School Assistant

Espey Huston & Associates Sep 1973 - Aug 1976

Mr. Carl-Mitchell was responsible for the design and maintenance of all software used for data analysis used by this environmental and engineering consulting firm.

Education

Master of Arts Computer Sciences, University of Texas at Austin

Bachelor of Arts Psychology UT Austin

References

Mark Ansboury
Vice President
Telsource, Inc
602 524-7681
mark@telsource.com

Clyde Poole
Product Manager
TECSys Development
512 826-3704
c_poole@tditx.com

Ray Sears
Senior Architect
BlueStar Solutions
602 471-9001
rsears@bluestarsolutions.com