Resume
of
Douglas B. McKillip, P.E., C. C. I. E. #1851

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Career Objective:
Consulting in Network Security specializing in hardware and software from Cisco
Systems^{TM}. Customized training course development and instruction.

Education:

Bachelors/Masters Chemical Engineering	-- M.I.T. 1977
Masters Computer Science	-- University of Delaware, spring '94

Business Related Training:

o Integrated Computer Systems --	C Programming, Advanced C, UNIX
o American Research Group --	Network Protocols*, Hands-on TCP/IP, Bridges & Routers* Introduction*, Advanced*, Hardware*, Troubleshooting of Cisco Routers*, Cisco Router Security*
o Global Knowledge --	Securing Network Devices*, Cisco PIX and ASA Firewall*, Cisco VPN*, Cisco Intrusion Prevention Systems*, Cisco MARS*

   * -- certified instructor of these courses

Professional Memberships / Certifications:

o Sigma Xi	o Delaware Association of Professional Engineers
o Cisco Certified Software Instructor	o Cisco Certified Network Professional, Security
o Cisco Certified Internetwork Expert, CCIE #1851	

Work Experience: 1986 - Present

o 1986-1987   Polymer Products Department -- E. I. Du Pont, Wilmington, DE
Designed and programmed applications for design of coaxial cables of Teflon* plus
an Extrusion Consultant software package in BASIC and assembler, both running on
the IBM PC.   Scouted new computing technology for Wire and Cable Business Group
of the Specialty Polymers Division. Initiated and managed development of a prototype
system for business planning and project management using Sun and Apollo worksta-
tions. Involvement in all phases of the project including site-to-site internetworking with
T-1 bridging, client-server connectivity via TCP/IP internetworking using Fiber Optic
cabling, installing tape backup and Uninterruptible Power Supply systems.

o Jan 1990 - June 1990   Textile Fibers Department UNIX pilot -- E. I. DuPont
Worked as part of a design team utilizing Object Oriented Analysis to design a Customer
Service Workstation prototype

o June 1990 - October 1991   Du Pont Polymers Information Systems
Member of Production Planning and Scheduling team which designed and implemented produc-
tion planning and scheduling models for businesses in Du Pont Polymers using MIMI* (Manager
for Interactive Modeling Interfaces).   Assisted in the migration of this software from an MVS
to an AIX platform running on the IBM RS/6000 PowerStation. This required file transfer and
remote job execution between the two IBM Operating Systems over a DECNet backbone.

Work Experience, continued

o November 1991 - August 1992 Du Pont Polymers Information Systems
Worked as a Networking Specialist and member of the Data Management Team. Developed
application software running under OS/2 for doing LU6.2 APPC "real-time" data transfer
between an IBM CICS host and an OS/2 workstation.   This application was written in C and
interfaced between a Novell Network FoxPro* database and a relational DB2 database on the
IBM mainframe utilizing a wide-area network of bridged Ethernet and Token Ring segments.
Testing of the application involved in-depth analysis of SNA/VTAM and LU6.2 protocols.   Also
was a member of a Workstation Design Team using Smalltalk for development of a Customer
Service Workstation prototype application.

o September 1992 - March 1993   Raptor Systems Incorporated
As a Senior Accounts Manager, assumed responsibility for the installation and follow-up of the
Eagle* Network Security Management System, a software product which provides a secure
Internet gateway for commercial and government enterprises.   These duties involved also
providing assistance in establishing Internet mail, Domain Name Service, and other Internet
protocols to the customer plus additional consulting help in network security.   Customers included
TVA, Goodyear, Pfizer, and the CIA.

o June 1993 - August 1993   Network Dynamics Incorporated
As a Network Consultant, became a qualified instructor for the American Research Group
Hands-On Bridges and Routers and Hands-On Internetworking TCP/IP classes. Did course
development work on AS/400 connectivity and SNMP Network Management along with
network consulting. Acquired training in the use of HP OpenView Network Management.

o September 1993 - 1997   Innovative Integrators Incorporated - President and Founder
Under contract with American Research Group (ARG) as an instructor for Network Protocols and
Bridges and Routers courses. In September 1994, became Cisco Certified Instructor for the
following official Cisco Training Courses: Introduction to Cisco Router Configuration,
Advanced Cisco Router Configuration, Installation and Maintenance of Cisco Routers,
Cisco Internetwork Troubleshooting. Became an R&S CCIE in 1996. Authored and assumed
Course Director of an ARG Cisco Router Security and Performance Tuning Hands-On course including
student reference text and lab exercises.

o 1998 - Present   Innovative Integrators Incorporated - President and Founder
Under contract with Global Knowledge after acquisition of ARG specializing in Cisco security curriculum.
Became the first world-wide Cisco Security instructor and CourseDirector for Managing Cisco Network
Security. (1998)   Also taught PIX Firewall and Cisco Internetwork Troubleshooting classes.   Provided on
site and remote consulting on Cisco Router, Firewall, VPN, and Intrusion Prevention to several clients.
Technical Editor for Cisco Press; edited publications include Managing Cisco Network Security, Cisco
Secure PIX Firewalls, and Network Security Principles and Practices. Contributor to Global Knowledge for
Security Troubleshooting Whitepapers and ongoing Security Blog.

o 1999 - Present   Innovative Integrators Incorporated - President and Founder
Provided Consulting work for a variety of clients implementing Firewall, VPN and Intrusion Prevention Systems solutions.   On-site and Remote Assistance Clients include: Cisco Systems, American Bankers Association, InfoUSA, NextMED Systems, Verizon, Cisco Press and Breeze Eastern (10 year relationship) Experience includes PIX and ASA Firewall Systems, Cisco Secure ACS, Cisco IPSec and S VPNs, Cisco Intrusion Prevention Systems and Cisco MARS.

Computer Languages
BASIC, FORTRAN, C, some C++, Smalltalk, 808x assembler, Lisp, UNIX shell scripts

Hardware
IBM PCs, 3090 mainframe with MVS/VM and SNA/VTAM,IBM RS/6000
Sun SPARC and other UNIX-based servers; Dell Servers
Various Ethernet and Token Ring Switches and MAUs
Cisco Routers, Switches, PIX/ASA firewalls, IPS, MARS appliance
Network Associates Sniffer Pro for Ethernet and Token Ring

Operating Systems
MS Windows --   200x Client / Server, XP,Win7
Unix   SunOS, Ultrix (DEC), System V, AIX, Linux

Networking Protocols
TCP/IP --   Including NFS, PCNFS, SNMP, CMIP, Telnet, FTP, SMTP
DECNet --   Including LAT and file transfers
NetBIOS/NetBEUI   Microsoft Networking for Windows and DOS platforms
SNA/VTAM/LU6.2   Especially with OS/2 EE Communication Manager
Miscellaneous Routing of IPX and Appletalk Protocols, Novell Client/Server

Awards / Citations:
2 Du Pont Excellence in Marketing Awards for Software Evaluation and Project work
Biographee -- Marquis Who's Who in the East, Men of Achievement
Cisco Certified Internetworking Expert, CCIE #1851

Hobbies/Community Work:
Distance Running, Music.   Served as Trustee and Elder of Newark Presbyterian and active with Sr. High youth in work camps. Part-time leader of worship at Berea Presbyterian.

-- REFERENCES AVAILABLE UPON REQUEST --