

LEWIS LESLIE (Les) BIFFLE

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BACKGROUND SUMMARY

Extensive and proven experience as a problem-solving multidiscipline team leader and member, with a strong focus on the creation of robust and secure solutions. Firm grasp of solution design and computer and communication technologies with extensive diagnostic ability in both hardware and software. Able to manage and mentor subordinates and to provide project management. Thirty-plus years experience in complex multiple-system transaction processing and communication environments. Twenty-plus years experience in small-to-large entrepreneurial settings. Fifteen years creating and operating complex Cisco-based global networks. Fifteen years providing company-wide and inter-company coordination between disparate groups of technologists, users, and business professionals.

KEY WORDS

- Firewalls
- Network Security
- Secure Applications
- Network Management
- Security Policies
- Security Audit
- Intrusion Detection
- Intrusion Forensics
- Disaster Recovery
- Network Design
- Product Design
- System Design
- Data Encryption
- SSL / PKI / RSA
- Privacy / HIPAA
- Credit Card Fraud
- TCP/IP / LAN / WAN
- X.25 / HDLC
- Frame Relay / ATM
- VPN / IPSEC / PPTP
- Data Comm Protocols
- Wireless / Broadband
- Protocol Design
- Cisco
- Unix/BSD/SysV/SCO
- ISP Startup
- Project Management
- Apache / CGI
- Account Management
- DNS / BIND
- Sendmail
- Internet Email
- USENET News
- Awk / sed / grep
- Shell Scripting
- SNMP / RMON
- HTML / XML
- DOCSIS
- Linux
- Client / Server
- C
- TPF Online and Offline
- Z80 BAL
- Hybrid Fiber/Coax
- Network Modeling
- BGP4 / OSPF / EIGRP
- SNA / SDLC
- POP3/IMAP/LDAP/SMTP
- Data Conversion
- Troubleshooting
- Embedded Systems

CORE COMPETENCIES

- Broad experience base
- Works well with peers
- Enjoys challenges
- Grasps complex systems
- Understands business linkages
- Excellent troubleshooter
- Communicates well
- Strong security orientation
- Learns quickly

PROFESSIONAL CERTIFICATIONS

CISSP – Certified Information Systems Security Professional
FCC General Radiotelephone Certificate

PROFESSIONAL EXPERIENCE

Network Safety Group, Inc., Scottsdale, Arizona
Founder and Vice President

1998 – Present
1998 - Present

- Contract system, application, and network assessment, design and implementation
- Secure and private Telecommuter, B2B, and HIPAA communications
- Security policy creation, business continuation planning, disaster recovery planning
- Firewall administration, network and system intrusion detection and forensics

- Inter-application and inter-company technology coordination and troubleshooting
- Contract design and startup support for Wireless Internet Service Providers
- Created and sold a powerful Firewall product with unprecedented NAT capabilities
- Firewall and VPN Appliance sales and account management
- Customer support throughout the life of products and networks
- Implementation of spam, virus and site blocking facilities

Network Safety Corporation, Cave Creek, Arizona**1994 – 1998**Founder and President

1994 – 1998

- Designed, implemented and marketed a popular Network Address Translation Internet Firewall and VPN Device.
- Sales of Firewall and VPN Devices, both direct and through channels
- Managed customer accounts and channel relationships
- Contract network design, installation, and support
- Contract firewall administration
- Security Policy creation and implementation
- Contract intrusion detection and forensics
- Custom hardware and operating system implementation for embedded systems
- Protocol implementation (SDLC, HDLC, TINET, NCR279, BISYNC, various TCP/IP-related)
- Unix and network administration
- Regional and national ISP startup

REZsolutions/Anasazi Inc., Phoenix, Arizona**1987 – 1995**Founder and Chief Engineer

1987 – 1995

Provided extensive and varied support for business development and the support of existing customers and applications.

- Designed, implemented and supported a hybrid international client/server transaction processing network, including dedicated circuits, frame relay, X.25, PPP dial-up via international X.25 vendors, and direct character-mode and PPP dial-up
- Performed network simulation, modeling and capacity planning functions for Anasazi and customers
- Created, implemented and enforced Internet Security Policies using filtering routers, Internet firewalls, and Unix and NT security audits
- Participated in the design, programming, testing and support of Anasazi Central Reservation System product
- Participated in the design, programming, testing and support of the Pegasus UltraSwitch Hotel Reservation Message Switching System
- Implemented datacommunication protocols on Anasazi-proprietary communication controller device
- Managed complex Cisco-based Intranets for Anasazi and customers
- Managed email, DNS, WWW, gopher, WAIS, XTACACS and Radius services
- Managed Cisco, Telebit and Livingston access servers

International Anasazi Inc., Phoenix, Arizona**1979 – 1987**Chief Engineer

1983 – 1987

Provided extensive and varied support for business development and the support of existing customers and applications.

- Designed, created and supported various custom hardware solutions including a proprietary data communication device (US Patent #4956805) and a programmable 4-wire telecommunication bridge device (US Patent #4625077)
- Designed, programmed and supported data communication protocol implementations, including HDLC, SDLC, BISYNC, SNA, SLC Type A, SLC Type B (P.1024), TINET, NCR279, ANSI X3.28 and X.25
- Performed FCC Part 15 EMI testing and verification on Anasazi proprietary hardware products

- Participated in the creation of the VISA Base 1 Network and connection of major merchants to the VISA system, including the creation of custom protocol interfaces "on demand"
- Created network capacity and transaction response time models for numerous protocols and network topologies
- Performed computer room facility planning for Anasazi and customers

Founder and Senior Member of the Technical Staff

1979 – 1983

Provided extensive and varied support for business development and the support of existing customers and applications.

- Designed, created and support a microcomputer-based terminal cluster controller and protocol converter for hotel and financial use, including design and implementation of its firmware and Forth-based real-time operating system
- Wrote protocols and IBM Series/1 device interrupt handlers for hotel client/server applications
- Wrote network control and remote device program load utilities for TPF-based hotel reservation systems
- Implemented TI TMS9900 BAL cross support on IBM mainframe

American Airlines Inc., Tulsa, Oklahoma**1970 – 1979****Senior Programmer/Analyst**

1972 – 1979

Provided extensive and varied support for business development and the support of existing customers and applications.

- Designed, documented and implemented protocol enhancements
- Implemented minicomputer cross development on IBM mainframe, including creation of cross assemblers for Honeywell 316/516, DEC PDP-8, DEC PDP-11, Incoterm and Raytheon RDS-500 systems
- Designed and implemented airline reservation terminal cluster controller programs for Honeywell, Incoterm, ICOT and Raytheon terminal controllers
- Evaluated hardware, including flight information display boards, terminals, and printers for reports, tickets and boarding passes
- Program modification and support for airport outbound baggage sorting systems
- Design of custom hardware, including a response time measurement device, serial interface level shifters, modem sharers, protocol analyzer/simulator, and a global network status display board
- Wrote file system mirroring and other device drivers for TI 99/4-based message switching system
- Created the first computerized models of the American Airlines Sabre network to predict transaction response times in light of staggering network growth
- Wrote network management and program download applications for Collins C8500-based communication front-end system
- Design lead on Multiple Access Reservation System project

Programmer

1970 – 1972

Member of Tulsa Control Program implementation team

- Creation of Sabretalk PL/1 real-time compiler for the IBM TPF environment
- Maintenance of JCL and related procedures for team
- Translation of aircraft maintenance and time-reporting applications from COBOL to Sabretalk and IBM PL/1

PROFESSIONAL ORGANIZATIONS

- Information Systems Security Association (issa.org)
- Institute for Electrical and Electronic Engineering (IEEE) Standards Association
- Internet Society (isoc.org)

VOLUNTEER ACTIVITIES

- Volunteer network design for Arizona School Districts
- Took a year off to design and install a complete network for the Cave Creek Unified School District, including a redundant routed 100Mb and gigabit fiber infrastructure connecting 11 sites, 1200 workstations, central servers, central tape backup, remote PC drive re-imaging, Internet access, internal and external WWW, split DNS, firewalls, abuse detection and prevention, email, network management, and content filtering.

EDUCATION

Rice University, Houston, Texas