

## LEWIS LESLIE (Les) BIFFLE

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### BACKGROUND SUMMARY

Current expert level skills in design, planning, implementation, management and analysis of enterprise digital networks at all scales. Principal designer of a best-in-class SNMP-agile network address translation product, including direct practical experience transforming all key Internet and application protocols. Current state-of-the-art security experience with firewall, VPN, authentication, encryption, policy, audit, and forensic issues and techniques. CISSP – Certified Information Systems Security Professional. Recent wireless ISP (802.11b) deployment. Hardware design and integration experience, including two U.S. Patents. Multidiscipline team leader and member for numerous global networking projects in hospitality, financial, retail, and airline industries. Extensive experience with multiple-system transaction processing and communications environments, including integration of legacy systems and protocols. Repeated success with task definition, project management, and cross-company team coordination in a variety of entrepreneurial and corporate settings. An active, long term volunteer in bringing technology to schools.

### CORE COMPETENCIES

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

### 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
- Created and sold a powerful Firewall product with unprecedented NAT capabilities
- Secure and private Telecommuter, B2B, and HIPAA communications
- Security policy creation, business continuation planning, disaster recovery planning
- Unix, Linux , and NT hardening and administration
- Inter-application and inter-company technology coordination

#### **Network Safety Corporation, Cave Creek, Arizona**

##### Founder and President

**1994 – 1998**

1994 – 1998

- Designed, implemented and marketed a popular and pioneering Network Address Translation Internet Firewall and VPN Device
- Managed customer accounts and channel relationships
- Contract network design, installation, firewall administration, and support
- 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)
- Regional and national ISP startup

#### **REZsolutions/Anasazi Inc., Phoenix, Arizona**

##### Founder and Chief Engineer

**1987 – 1995**

1987 – 1995

- Developed software and networking solutions for world wide hotel reservations systems support
- Designed, implemented and supported a hybrid international client/server transaction processing network using a wide variety of technologies

- 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 the Pegasus UltraSwitch Hotel Reservation Message Switching System
- Managed complex Cisco-based Intranets for Anasazi and customers

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

1983 – 1987

- 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 most used in legacy wide-area networks, satellite, and point of sale
- 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"

Founder and Senior Member of the Technical Staff

1979 – 1983

- Helped launch the start-up company which became the world's dominant supplier of large hotel reservations systems
- Designed microcomputer-based terminal cluster controller, including its Forth-based real-time operating system, IBM Series/1 protocols, TPF-based hotel reservation system utilities, microprocessor cross support, and other innovative technology

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

1972 – 1979

- Contributed to a variety of design and implementation projects for the world wide Sabre reservation system, network, and supporting systems

Programmer

1970 – 1972

- Member of Tulsa Control Program implementation team

**PROFESSIONAL ORGANIZATIONS**

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

**EDUCATION**

Rice University, Houston, Texas, Electrical Engineering and Math Sciences