

Technology Consultant • Security Specialist • High Profile Organisations

Overview and Core Competencies

- Highly experienced, CISSP certified Security Specialist
- Very broad experience in networking technologies including both Cisco and Juniper, Unix and Linux systems, project implementations, security evaluations, troubleshooting, strategy, consultancy and policy development
- In-depth, hands-on experience with IT systems and networks at all levels
- 20 years experience in New Zealand IT industry covering many sectors and companies including Telecom NZ, Vodafone NZ, Air New Zealand, and many others

Career Snapshot

2002-present	Consultant Specialising in Networks and Security	Open Systems Specialists Ltd Consultancy specialising in Security, Network Design, Unix, Linux and open systems infrastructure.
1996-2002	Consultant	Optimisation NZ Ltd Consultancy specialising in development, security and integration
1990-1996	Systems Engineer	Delphic Medical Systems (now Sysmex NZ Ltd) Medical Laboratory systems developer
1989-1990	Software Engineer	GPT (GEC/Plessey Telecoms) Developer of SCADA control systems equipment
1987-1990	Development Engineer	Systems Consultants Ltd Developer of electronic control and monitoring systems

Employment Details and Achievements

Open Systems
Specialists Ltd

Consultant

Consulting out to many
OSS client companies

- Linux, Unix

- Networks

- Security

- Enterprise network upgrade for a client with a nation-wide IP wide-area network.
 - Juniper SRX routers/firewalls
 - Cisco IOS - Juniper JUNOS integration
 - Network & Security design
 - Network & Security Design for large Telco/ISP, designing network elements & infrastructure for a wide range of implementations within the enterprise and Internet space.
 - Complex network design, analysis and troubleshooting
 - Requirements analysis
 - Security considerations
 - Cisco-based infrastructure
 - Network strategy development and IDS/IPS evaluation for Air New Zealand
 - Security Operations position at large Telco/ISP. Involved in managing core network devices (Cisco switches, routers) and firewalls. Network fault and connectivity analysis and problem solving. Included Design and Architecture work for new project implementations.
 - Cisco device management
 - Checkpoint Firewall-1 and Cisco PIX/FWSM firewalls
 - Sun Enterprise platforms and Solaris O/S
 - Many TCP/IP network protocols
 - Implementation of Linux based file and print server for small enterprise. Seamless migration from Microsoft Windows server network to Linux network.
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Optimation NZ Ltd
Consultant

Consulting out to many
Optimation client
companies

- Linux, Unix
- Networks
- Security

- Air New Zealand : design, implementation and management of the Border Management environment (corporate Internet gateway), including DNS servers, Mail servers, and ECommerce environment. Management and support for all firewall systems within Air New Zealand.

- Checkpoint Firewall-1
- Sun Solaris
- Cisco PIX
- Automated server builds, secure backup and fast recovery
- Security policy development and monitoring
- Other clients - miscellaneous integration and security related work, including:
 - Security policy development
 - Penetration testing
 - Problem analysis and fault finding

Delphic Medical
Systems Ltd
(now known as
Sysmex NZ Ltd)

Systems Engineer

Developing and
Installing Medical
Laboratory systems

- Linux, Unix
 - Networks
 - Security
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Employed as a software engineer to develop C software on Unix, this position rapidly expanded to becoming a systems engineer to include Oracle, TCP/IP networking, and integration. Also included travelling to a number of New Zealand sites and other countries to install the Delphic software suite in hospital medical laboratories.

Education and Professional Development

CISSP

Certified Information
Systems Security
Professional

A professional certification granted to only the highest levels of expertise within Information Security granted by the ISC². The CISSP is not associated with any vendor, and demands continual proof of up-to-date proficiency and a strict code of ethics.

Kerry Thompson has maintained a CISSP certification since 2001.

CCNA

Cisco Certified Network
Associate

Cisco's baseline certification, which qualifies the holder for professional work on most of Cisco's routing and switching equipment. The CCNA must be refreshed every 3 years.

Kerry Thompson has maintained a CCNA certification since 2002.

**Security Industry
Articles**

Kerry has written a number of technical articles relating to IT Security which have been published in a number of industry magazines and Internet sites.

IT Proficiency

CISSP IT Security Domains

- Access Control Systems and Methodology
- Telecommunications and Network Security
- Security Management Practices
- Application and Systems Development Security
- Cryptography
- Security Architecture and Models
- Computer Operations Security
- Business Continuity Planning and Disaster Recovery Planning
- Law, Investigation, and Ethics
- Physical Security

Security Standards and Methodologies

- AS/NZS 4444/BS 7799/ISO 17799 : Code of Practice for Information Security Management
- NIST 800-12, and many other NIST Standards
- Open Source Security Testing Methodology (OSSTMM)
- System Security Engineering Capability Maturity Model (SSE-CMM)

Security Systems

- Kerberos MIT v5
- Tacacs, Tacacs+, RADIUS authentication systems
- OpenSSH, OpenSSL
- PGP and other cryptographic applications
- Security/penetration testing : nmap, Sara, crack
- Intrusion detection systems : Tiger, Tripwire
- Security response procedures and systems
- Logsurfer real-time log monitoring and alerting

Operating Systems

- Solaris v2.6, 7, 8, 9
- Linux – Fedora, RedHat, SuSE, etc.
- Security-Enhanced Linux (SELinux)
- IBM AIX
- Windows NT, Windows 2000, Windows XP
- Windows-Linux integration

Network Technology

- TCP/IP
- VLANs, VPNs, switching, routing
- Cisco IOS/CatOS-based switches and routers
- Juniper JUNOS-based switches and routers
- Foundry Networks switches and routers
- DNS : BIND v8 and BIND v9 systems, dynamic DNS, DNSSEC secure DNS
- SMTP Email systems : sendmail, qmail, postfix
- Telnet, FTP, HTTP, NTP, etc.
- Samba file and print services on Unix/Linux

Firewall Systems

- Juniper SRX security systems
- Juniper Netscreen Firewalls
- Checkpoint Firewall-1 v3, v4, NG
- Network Associates Gauntlet v5, v6
- Cisco Systems PIX and FWSM firewalls
- Cisco IOS-based security systems

Ecommerce Systems

- Apache web server
- Netscape Enterprise & IPlanet web server
- Netscape Directory Server, Netscape Compass Server
- Squid HTTP proxy
- Oracle RDBMS v7, v8
- CGI scripting

Programming & Scripting Languages

- C
- Perl
- TCL/Expect
- Unix shell scripting

Other Interests

Kerry Thompson is a keen private pilot, and is often spotted high over the Waitemata Harbour performing aerobatics.

Further Information

Further information is available on Kerry Thompson's personal web site
<http://www.crypt.gen.nz>