

Synopsis

- Over **25 years** of professional experience in most aspects of Information Technology, in a wide range of industries and disciplines; specializing in IT Security and Audit for the last **15 years**;
- **CISSP/ITCP, CISA, CIPS ISP, CPTC/CPTC and CWNA/CWSP certified**; Member CIPS, CIPS Security SIG, ISACA, PolCyb and OWASP (chaired Vancouver Chapter);
- **Enhanced Security Clearance (Canadian Federal Government via RCMP)**;
- Expertise in Information Security, including: Security architecture design and implementation; Security reviews, audits, and **pen-testing (ethical hacking)**; Threat/Risk Assessments; Compliance and Privacy, incl. PCI DSS and SOX; Firewalls; Intrusion Detection/Prevention Systems (IDS/IPS); UNIX and Windows; Various security tools; Wireless audit and survey; Training, incl. course development;
- Extensive experience with Windows and UNIX Operating Systems; exposure to mainframe systems;
- Broad exposure to communications and Local and Wide Area Networks, including wireless;
- Solid background in relational databases, including Informix, Sybase, Oracle and Microsoft SQL-Server;

Work History

July 1998 – present, Principal Consultant, WaveFront Consulting Group

- Security architecture design, threat modeling and **security testing of web applications; security assessments, penetration tests and incident response**(Top Producer Systems/Move Inc)(2005-now);
- **Security consulting for the BC Liquor Distribution Branch (LDB)** – Assistance with PCI DSS efforts, incl. threat modeling and penetration testing; firewall and router audits; **security assessments of Oracle Financials, Vendor Facing Web, Liquor Inspection Support, Wholesale Order Mgmt., Store Operations and other systems**; wireless network security assessment and remediation; deployment of secure Linux and Windows servers; assistance with Identity Management strategy; Security review for IDS deployment; architecture and deployment of secure remote access facilities (2002-present);
- **Web Application Security Assessments, Training, Architecture Design & Security Consulting** for various organizations, incl. IAP Life, BC Ministry of Health, WCB Alberta, WPS-Disaster Recovery, Pro-Training, nZone Media, Best Buy/Future Shop, SFU, BC Medical Association, etc. (2000-present);
- **Security Reviews, Vulnerability Assessments and Penetration Tests (incl. wireless)** for a range of companies, incl. BC Medical Association, BC LDB, Yukon College, nZone Media, etc. (1998-present);
- Assistance with PCI DSS compliance for several organizations, incl. the Vancouver Aquarium (2010-now);
- **Privacy Impact & Threat-Risk Assessments (PIA/TRAs)** - various BC Health Authorities (2008-10);
- **Security Assessment for Stockgroup Information Systems** – Reviewed IT security issues, and developed a plan for the remediation of high risk findings (2007)
- **Security Architecture Design, Penetration Testing and Security Reviews for Citadel Commerce (Internet Payment Gateway)** – Reviewed security issues and developed a prioritized security plan to address gaps; Provided guidance on security controls and policy development; **worked on bank clearing house systems and cryptographic processes (Canada&US)**; wireless networks; **legal and services provider compliance requirements (Visa, MasterCard, STAR, NACHA, PCI, FSA)**; disaster recovery/ business continuity planning(BCP/DRP); application and network penetration testing (2004-08);
- Wireless surveys, pen-tests and security architecture consulting for Common IT Services (CITS), Min. of Management Services (2002-5); Wireless survey for Simon Fraser University (2006);
- **Supernatural Vacations** - Security review and pen-test; review e-commerce architecture (2001);
- **Information Security Coordinator at Emergency Communications for South-Western BC (E-Comm)** – assistance with security requirements, including network security architecture, policy design and reviews, Threat/Risk Assessments, mobile and wireless security, IDS deployment, Disaster Recovery/ Business Continuity, VPN's, **application security assessments**, two-factor authentication, encryption and remote access, password and user management; liaison with Vancouver, Victoria and other police departments, RCMP, BC Ambulance Services, Public Safety and Law Enforcement agencies (2000-06);

Work History (cont.)	<ul style="list-style-type: none"> • BC Ministry of Human Resources (MHR) – assist with security requirements; liaison with application development, business areas, IT, privacy and other groups; auditing, compliance and investigations; security architecture design and implementation; application security reviews and Privacy Impact Assessments (PIA's) (15 months, 2000-02); • FortressOne - Security Product Architect for Managed Security Services; designed the company's Secure Operations Center (SOC) and service offerings (3 months, 2000); • ICBC (Information Security and UNIX Support) – router, firewall and web server/ proxy deployment and administration; security reviews and audits; policy and strategy facilitation; e-business security architecture and implementation (incl. mainframe connection); user and password management (single sign-on and platform migrations); log analysis and consolidation; system hardening; needs assessments and privacy consulting; project management and budgeting; application security reviews; firewall/DMZ deployment and testing; investigations (2 years, 1998-2000); • University of BC (UBC), BC Institute of Technology (BCIT), Mile2 and others (ongoing) – Security course development & training (CISSP, Wireless, Cryptography, Computer Crime, Windows, Privacy, Web Application Security, Disaster Recovery/Business Continuity, Penetration Testing/Ethical Hacking,etc.); • Security presentations for various groups including the PIA-BC, CIPS Security SIG, OWASP Vancouver, VaNTUG and VanLUG, Drupal User Group, APCO/NENA, IAFCI, BCIT, UBC, Nexient/Mile2, etc. (ongoing)
	<p><u>June 1997 – June 1998, Technical Specialist, Mainland Information Systems</u></p> <p>Projects included Tivoli Storage manager (ADSM) installation and support (IBM sub-contract), network design and implementation, storage management, disaster recovery, penetration testing, firewall implementations, database administration, and UNIX and Informix support.</p>
	<p><u>November 1996 – May 1997, Consultant, RGC Consulting</u></p> <ul style="list-style-type: none"> • Security evaluation for VanCity Mutual Funds, incl. penetration testing. • Consultant with ICBC, working as UNIX/Internet Security Specialist assisting the corporation's migration from mainframe to client-server systems; firewall penetration testing.
	<p><u>September 1994 – August 1996, Senior Consultant, Q-Data Consulting</u></p> <ul style="list-style-type: none"> • Facilities Manager/Analyst on EIS/Data Warehouse project for warehousing subsidiary of major transport company. Responsible for planning, provision, maintenance, and integration of all computing facilities, sourcing data from legacy systems and SAP/R2 and R3. • Security audit and facilities plan for international insurance company (Allianz).
	<p><u>February 1984 - August 1994, Trainee technical Systems Officer to IT Manager, De Beers/AAC</u></p> <p>Responsible for the planning, provision, maintenance, and integration of computing facilities for the Ore Evaluation Department. Managed an annual budget and lead a staff complement of three.</p>
Training	<p>2009</p> <ul style="list-style-type: none"> -- <i>Certified Wireless Security Professional (CWSP)</i> CWNP -- OWASP AppSec-DC Conference and associated training (4 days) - Washington DC, USA -- European e-Identity Management Conference (2 days) - London, UK <p>2008</p> <ul style="list-style-type: none"> -- RSA Security Conference (5 days) – San Francisco, USA -- Certified Penetration Testing Engineer / Consultant (CPTe/CPTC) (6 days) - Tampa, USA -- Annual Security and Privacy Conference - Victoria, BC

Training
(cont.)

1998-2007 - Westcoast Security Forum Vancouver, BC
Annual 1-2-day conference (**committee member 2000-4, chair in 2003**)

2006 – Annual PolCyb (Policing Cyberspace) Conference – Richmond, BC

2005
-- Certified Wireless Network Administrator (CWNA) – *CWNP*
-- Designing Security in a Windows 2000 Network – University of British Columbia

2004 – **Certified Information Security Auditor (CISA)** – *ISACA*

2001
-- **Blackhat Briefings (2 day conference); Defcon9 (3 day conference)** - Las Vegas, USA
-- NT Intrusion Detection and Complete Windows 2000 Security Workshop (1 day each) - Las Vegas, USA

2000 - Intrusion Detection Systems, 2 days - MIS Training Institute, Vancouver, BC

1999
-- Entrust 4 PKI Administration, 2 days - Geotrain, Vancouver, BC
-- **Information Systems Professional (I.S.P.) certification** – **Canadian Info. Prof. Society (CIPS)**
-- **Computer Information Systems Security Professional (CISSP) certification** – **(ISC)²**

1997-1998, various courses and certifications IBM, USA/Canada
-- Certified Specialist - AIX Support, and Certified Advanced Technical Expert – AIX
-- Certified Specialist – ADSM, Certified Solutions Expert - IBM Firewall
-- Advanced Topics in AIX 4 TCP/IP Comms, AIX 4 Advanced Systems Administration (3&5 days).
-- Internet Security and IBM Firewall, 5 days.

1984-1996, various courses (major ones listed) Various Institutions, South Africa
-- Intro to UNIX, UNIX Sys Programming, UNIX Sys Admin, UNIX Network Mgmt., TCP/IP Under UNIX (5 days ea)
-- Network Testing and Diagnosis, 2 days;
-- Systems Analysis and Systems Design for Emerging Technology (5 days ea).
-- Organizational Methods and Strategy I and II, 4 days; Project Management, 5 days.

1983 University of Cape Town, South Africa
-- Bachelor of Science (Honors) degree in Computer Science/Applied Statistics (4 years).

Skills

- UNIX's, including Sun Solaris, Linux, IBM AIX, HP-UX, Free and OpenBSD, and Digital Unix;
- Microsoft Windows, Project, Exchange, Terminal Server/Citrix, Office, IIS; OpenOffice;
- Microsoft, VMWare, SUN Virtualbox and other virtualization technologies;
- Security assessment tools like NMap, Nessus, OpenVAS, Rapid7 NeXpose, SAINT, Metasploit, CORE Impact, Cain&Abel, Wireshark and QualysGuard; Backtrack and other Linux security distributions;
- Penetration Testing and Vulnerability Assessment methodologies, incl. OSSTM and OWASP;
- Application security assessment tools such as IBM Appscan, HP WebInspect, AppDetective, AppSentry, SyHunt Sandcat, W3AF, Paros Proxy, Burp Suite Prof., WebScarab, and Parasoft's.TEST (code review);
- Firewalls, including CheckPoint, Cisco PIX/ASA, WatchGuard, Juniper Netscreen and Linux IPTables;
- Web Application Firewalls (mod_security, mod_evasive, Citrix Netscaler);
- Cisco, Nortel and Juniper routers and switches;
- Security tools from IBM, Symantec, WebTrends, Trend Micro, Cisco, Remedy, NetIQ, etc.;
- Intrusion Detection Systems such as Snort, Cisco Secure IDS/MARS and McAfee Intrushield;
- Wireless software tools such as Kismet, aircrack-ng, AirMagnet and NetStumbler;
- Security tools such as RADIUS, PGP, VPNs, SSH, LDAP, Tripwire, two-factor authentication (RSA SecurID, Crypto-Card), PKI (Entrust, Verisign, Microsoft), and biometrics;
- Databases, including Access, SQL Server, MySQL, Oracle, Informix, DB2 and Sybase;
- NACHA, STAR, PCI DSS and FSA compliance requirements;
- Legal, privacy, compliance and audit standards; FIPPA, PIPEDA/PIPA, Criminal Code, Bill 198 (CSOX); US GLBA, SOX, HIPAA and breach disclosure laws; ISO 17799, COBIT and Common Criteria;

"Resume for Rui Pereira 15-short.doc" last updated 19-10-2011