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## INTRODUCTION

I am a team player and innovator at heart, with over a dozen years of professional experience specializing in mission critical systems and security administration, with the added versatility of development, database administration and leadership abilities. I have deep technical skills combined with a wide range of industry experience, such as Aerospace, Consulting, Education, Government, ISP, Health Care, Startup and Non-Profit.

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## COMPUTER SKILLS:

- Methodologies: Capacity Planning; Business Continuity Planning; Security Auditing; Capability Maturity Model; Computing Forensics; Procedural, Modular and Object Oriented (RAD/RD/XP/UML) Software Design; Systems Analysis, Systems Life Cycle; Software Development Life Cycle; ISO 9000; Business Process Reengineering (BPR);
- Programming: Java, JavaScript, C/C++, PERL (v 4.x and 5.x), SQL, CGI, PHP (v 0.9 beta to 4.x), Unix shell (bourne, bourne again, korn, csh, tcsh, sed, awk), HTML, SGML / XML, Python, PostScript, Modula II, Oberon, Small Talk, SML, Fortran, Forth, Ada, Advanced Revelation, COBOL, COMOL, LISP, Scheme, ML, Prolog, RBase, Rexx/Arexx, x86 and 68K Assembly, CORBA, ...
- Databases: DBA: MySQL 3.x and 4.x, Oracle 7 to 10g RAC, PostgreSQL, miniSQL, Sybase; OLAP; Advanced Revelation, OraPERL, PERL DBI, ODBC, Oracle OCI, ProC and SQL programming
- Internet Admin: Apache, iPlanet/Sun One web servers, TCP/IP, DNS, PKI, SSL, NIS, NIS+, firewalls and filters (hardware, software and kernel based), sendmail, miltilers, Cyrus, Procmal, LDAP/Directory, SET, Usenet News, AppleTalk, DHCP, Orbix, Proxies and Reverse Proxies, Internet Registries, ...
- Sys Admin: SunOS & Solaris (4.x and up to Solaris 10), Linux (kernel v 0.96 to present 2.6 kernel including distributions such as: YGDRASIL, Slackware, SuSE, Debian, RedHat including Fedora, EL 3.x and 4.x and SE Linux), BSD UNIX, HP-UX (v 10, 11), AIX (4 and 5), AUX, Ultrix, DG-UX, Windows 95/98/NT/2K/XP, Mac, ...
- Hardware: Sun (Sparc, Netra, Ultra, Sun Fire and Enterprise) servers and workstations; Sun D series SAN storage arrays, IBM RS 6K and eServer pSeries, Compaq ProLiant servers, HP 9000 servers and MSA series SAN storage arrays, RAID (hardware and software based), various consumer grade x86 systems, HA/cluster solutions, host bus adapters, switches, terminal servers, Fiber Channel, bridges, routers, UPS systems (APS), ITK/Telebit Netblazer, DG / EMC AViiON, ...
- Protocols: HTTP, SSL, TCP/IP, SMTP, IMAP, POP3, NAT, NFS, FTP, ICMP, UDP, SNMP, ARP, NNTP, RPC, LP, X11, LDAP, PPP, ATM, FDDI, ...
- Applications: Veritas (File System, NetBackup, Volume Manager), JBoss, WebSphere, PGP/GPG, abackup, Amanda, rsync, rcs, cvs, ClearCase, Solstice (Disk Suite and Backup), MS Office & Project, PowerPoint, POVRay, SATAN, tripwire, lsof, truss, SunVTS, sar, Jumpstart, GhostScript, VNC, Kermit, XYZModem, Citrix MetaFrame, ...

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## **EXPERIENCE HIGHLIGHTS**

### **Sr. Technology Developer for Global Resource Ministries International:**

- Advanced solutions and relations for business and customer needs; our customers depend on secure technology solutions for their safety.
- Lead the development and administration of new technologies and related IP protection.
- Facilitated data center builds and moves.
- Consulted on Linux, Solaris and Oracle RAC solutions for various clients.

Employment dates December 2002 to present

### **Sr. Technical Associate for BEST Consulting / Venturi Technical Partners:**

- Provided clients with systems administration / architecture and redesigned their large complex security, network, system & application infrastructures, (databases, clusters, 100's of servers, 100,000's of users, firewalls, local/distributed director and 24x7 operations), reducing annual costs by \$1,000,000 and planning another \$400,000 with SAN technology.
- Served in various roles to bridge gaps between DBA, developer, admin, network, security and management groups; enhancing communications, plans and strategies of clients.
- Performed as the Sr. security guru advancing new (and old) security techniques and providing forensic analysis for legal proceedings in court.

Employment dates June 1999 to December 2002

### **Systems Administration Guild (SAGE)**

- Designed a platform neutral certification program for the guild.
- Interviewed and provided direction for test writers.
- Participated in the Marketing team's campaign.

Involvement dates March 2000 to December 2002

### **Sr. Technical Architect for the Open Learning Agency (OLA):**

- Architected, and team lead for, the development of a Web based conference / symposium management system, along with the necessary B2B software and processes for secure financial transactions, critical to the success of a technical conference hosted by OLA.
- Provided IT planning, budgeting, recruiting, presentations, training and initiated / guided the organization through BPR (Business Process Reengineering) for improved efficiency.
- Managed the technical aspects of a data center move and associated office consolidations,

Employment dates April 1998 to June 1999

### **Consulting Partner with NorthWest Internet Solutions:**

- Provided Windows and Web application development, systems and database admin / development such as a Windows Internet Spider application, gathering EPA data from the web to enable our customers to increase efficiency while reducing costs.

Involvement dates January 1996 to October 1998

### **Sr. Systems Administrator for the B.C. Ministry of Education:**

- Provided software design, development, security / systems architecture and guidance for customers through several B2B endeavors such as an implementation of Just-In-Time Publishing, to remove the necessity of maintaining costly warehouses.
- Enhanced the Community Learning Network (CLN) and Ministry by integrating technologies and helping design, develop and deploy a data-mart that enabled the creation of better Distance Ed courses, and streamline the process of course creation.
- Served as technical transition leader, integrating / consolidating various systems / networks; as well as a member of the job evaluation committee, leading the group as it became part of the OLA.

Employment dates January 1996 to March 1998

### **Sr. Systems Analyst for the British Columbia Systems Corporation:**

- Designed / led the team that developed applications such as on-line delivery / mediation of educational courses, and thus propelled the organization into Internet e-business.
- Led the teams that administered the networks and systems for the growing CLN project, which expanded to tens of thousands of users.
- Provided leadership / direction on Internet services, e-business and security and enhanced staff abilities by training on HTML, CGI, Java and other technologies.

Employment dates September 1993 to December 1995

### **Systems & Network Analyst for the Education Technology Centre:**

- Developed Internet software and administered associated systems and networks on UNIX, IBM Mainframes, VAX Clusters, Windows and Macintosh platforms with a user base of over 10,000 that plugged students and educators into the Internet via CLN.

Employment dates June 1991 to August 1993

### **Data & PC Analyst for the Ministry of Regional and Economic Development:**

- Implemented an Advanced Revelation database system and provided PC support.

Employment dates May 1990 to December 1990

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### **EDUCATION/ACCREDITATION**

B.Sc.	Computer Science - University of Victoria	1992
	Emphasis on Software Engineering, Networking, Languages, Compilers, & Graphics	
Training	iPlanet, CORBA, Orbix, Oracle and Systems Administration; Hardware / Software Support; SunNet Manager; Communication and Networking; Group Leadership; Speech Communications; Teaming for Extraordinary Performance; Java and OO Application Design with UML.	
cSAGE	Certified Systems Administrator	2002
Other	Several customer recognition awards	

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### **AFFILIATIONS**

Contributing member of USENIX      Contributing member of the Systems Administrators Guild  
<http://www.usenix.org/>      <http://www.sage.org/>

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### **CONTRIBUTIONS TO THE NET & OPEN SOURCE**

- Built publicly available search engines (WAIS based mostly), before there was such a thing as Google
- Reported Solaris OS bugs to Sun Microsystems – some still broken though:-)
- Reported bugs on several Open Source products such as GPG, gotmail and SpamAssassin, and provided patches to fix those bugs, (some have been incorporated into the official source code)
- Provided the initial NCSA/apache PKI example CGI's and documentation for building an SSL Certifying Authority via SSLEAY (the predecessor to OpenSSL)
- Developed one of the first Usenet News / Web gateways
- Enhanced several existing features and plugins within the SquirrelMail project on <http://sourceforge.net/>
- Provided PHP and Web programming tutorials
- Built one of the first PHP based generic web interfaces to an Oracle RDBMS
- Provided information and quotes for printed technical journal articles
- Gave a few technical presentations at conferences

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### **REFERENCES**

Available upon request