

Tucker Bradford, CISSP, PMP

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Summary: Talented technology professional with ten years of experience, enthusiasm, and increasing responsibility is seeking a challenging position as IT Director. Experience includes multi platform administration, security management, budgeting, hiring, managing staff, training, and interdepartmental project management.

Key Skills:

Technical

- Expert in physical and logical IP networking, and security
- Security, firewall, intrusion detection, log monitoring, policy design and implementation
- Spec and installation of DS-3, DS-1, frame relay, DSL, ISDN, LAN, WAN, and MAN, networks
- Proficient in HTML, PHP, Perl, and Ruby programming
- Management of a host of client/server suites (e-mail, web, ftp, ssh, ldap, dns, snmp)
- Database administration and development, Oracle, MySQL, MS SQL

Managerial

- Cultivation of mind share and buy in, and strong professional relationships
- Extensive project management experience
- Developing business strategy, growth plans, and policy
- Excellent collaboration skills, both technical and interpersonal
- Management of technical staff, hiring, salary setting, reviews, and motivation
- Business continuity and disaster recovery planning
- Procurement of technology and services
- Customer support including public relations and technical support
- Mastering new concepts and skills

Experience:

2000 – Present SETI Institute, Mountain View, CA

Director of Information Technology, Security, & Facilities, IT Manager,

In 2000 the senior managers of the SETI Institute selected me to forge and lead their IT Department. I articulated a technology roadmap, gained buy-in, and hired and trained the staff to fulfill those goals. After successfully establishing and managing the core IT functionality, I focused my attention on the partnerships which make SETI a leader in the scientific community. In 2001 I evaluated our international frame-relay circuits and renegotiated our contract to cut the cost by 50% while increasing the bandwidth by 400%. In 2002 my proposal for the Security and Networking architecture and policy for the Allen Telescope Array was accepted in whole. In the same year I was invited to join NASA's NAI IT Working Group, where I have served as a mentor and participant. In 2004 I solicited and received a donation worth \$172,000 to our capital campaign, and over a half million in in-kind donations. I was promoted to Sr. Management in 2006, following my participation in the negotiations for our "Space Act Agreement" with NASA Ames Research Park.

Other accomplishments include:

- Coordinated security incident response with local and federal agencies
- Implemented and maintained international WAN between USA, Puerto Rico, and UK
- Accountable for a 1.5 million dollar budget and contribute to a six million dollar budget

1999 - 2000 RateXchange, San Francisco

Software Operations Manager, Senior Unix Engineer

- Promoted from Senior Unix Engineer to Software Operations Manager after six months
- Specified and implemented RateXchange's entire LAN/WAN architecture including bandwidth, servers, desktops, firewall, and collocation
- Specified and implemented high availability security and e-commerce services
- Planned, installed, and administered Seagate, Veritas and Retrospect Backup Servers

1998 - 1999 Stanford University, Stanford, California

C.I.T. Analyst, Acting Webmaster

- Piloted Stanford University's Disaster Recovery Program
- Took over management of the University's web site

- Developed an online system for electronic access to bill and card balances that required an automatic database translation and inter-system communication

1996 – 1998 International Software Products, Brattleboro, Vermont
Developer, IT Manager, Webmaster

In my time at ISP I wore many hats. I started as a developer, and soon became responsible for setting up their support department as well as their Internet presence. At the age of 20, I was flying around the country conducting solo technical pre-sales meetings, attending board meetings and training users and administrators on our platform.

Education & Training

1994 - 1995 Marlboro College, Marlboro, Vermont

Professional Development

- April 2006 Finance for Non-Financial Managers
- February 2006 People Skills for Project Managers
- February 2006 Professional Project Manager Certification
- January 2006 PMP Exam Boot Camp
- January 2006 Applied Project Management Boot Camp
- October 2004 Oracle Database Administration Workshop I
- April 2004 CISSP Certification
- January 2001 Sun Education, San Francisco CA, TCP/IP Network Administrator
- July 2000 Sun Education, San Francisco CA, Solaris System Administrator II
- June 2000 Sun Education, San Francisco CA, Solaris System Administrator I

Technical Expertise:

Operating Systems

- Windows NT 3.5, Windows NT 4.0, Windows 98, Windows 2000 Professional/Server, Windows XP Professional, Windows 2003 Server
- Un*x (Solaris, xBSD, AIX, HPUX, Linux), Mac OS X
- CatOs, IOS

Hardware

- Cisco 2000, 2500, 2600, 2900, 3500, 4000, 6500, Aironet, Tasman routers, PIX firewall
- Sun Enterprise 220,250,420, 4000, v20z, v40z, StorEdge A1000 RAID with Veritas Foundation, StorEdge DLT
- Remote access servers: Shiva LANRover, Cyclades Alterpath

Soft skills

- Specification and installation of many DS-1, DS-3, frame relay, DSL, and ISDN circuits, including extensive interfacing with International Telcos
- LAN/WAN networking and network monitoring, including Cisco switch/router configuration, 802.11, Windows, Un*x

Protocols/Networking

- PPTP, IPSEC, ISAKMP, SMTP, HTTP, FTP, DNS SAMBA, SSH, SNMP, LDAP, ODBC, IMAP(/S), POP(/S), etc.

Security

- CISSP, Checkpoint 4.1, OpenBSD pf/VPN, PIX, iptables, PureSecure IDS, Snort, Prelude

Programming/Scripting Languages

- HTML, Perl, PHP, SQL, Basic, some Java, Ruby