

## PROFILE

Senior level IT and Operations professional. Responsible for: strategic planning and operational oversight; cultivation of staff excellence in IT, Security, & Facilities business units; project management for high impact interdepartmental projects; creating operational efficiencies.

## EXPERIENCE

## DIRECTOR OF INFORMATION TECHNOLOGY, SECURITY, &amp; FACILITIES

*SETI Institute, Mountain View, CA*

*2000-present*

## Information Technology &amp; Security Highlights:

2000 Established the SETI Institute's IT Department. Drafted, justified, and executed (to  $\pm$  3%) first budget. Established policies, procedures and ethos. Hired and trained staff.

2002 Designed and implemented network and security infrastructure for the Allen Telescope Array in northern California. Won buy in from the oversight committee which consisted of representatives from the Allen Foundation, UC Berkeley, and the SETI Institute.

Invited to join NASA's NAI IT Working Group. Continued to serve as a mentor and participant through present date.

2004 Secured donations equalling \$172,000 towards our capital campaign and over a half million in in-kind donations.

2006 Promoted to Senior Management following my significant contribution in the negotiation of the "Space Act Agreement" between SETI and NASA.

2009-10 Re-architected the Institute's IT infrastructure in preparation for FY10 relocation. Acquired donations of new servers, coordinated deployment and designed the network architecture

## Facilities Highlights:

Project Manager for the SETI Institute's relocation to a new 40,000 sq ft facility. Organized and managed a matrix team that identified, designed, and renovated a warm shell into a full service scientific research headquarters.

## IT OPERATIONS MANAGER

*RateXchange, San Francisco, CA*

*1999-2000*

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, firewalls, and collocation.

Specified and implemented high availability and e-commerce services

## C.I.T. ANALYST, ACTING WEBMASTER

*Stanford University, Stanford CA*

*1998-1999*

Piloted Stanford University's Disaster Recovery Program

Took over management of the University's website

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

# M. TUCKER BRADFORD

DEVELOPER, IT MANAGER, WEBMASTER

*International Software Products*

1996-1998

Started as a developer. Given responsibility of setting up support department and internet presence. Shortly thereafter began to travel on technical pre-sales, customer service and training, and customer board meetings.

## CERTIFICATIONS

CISSP

PMP

## SKILLS

Managerial:

- Cultivation of mind share and buy in, and strong professional relationships
- Extensive project management experience
- Developing business strategy, growth plans, and policies
- Excellent collaboration skills, both technical and interpersonal
- Management of technical staff. Hiring, motivation, salary setting, and retention
- Business continuity and disaster recovery planning
- Procurement of technology and services
- Cross-functional Operations Management experience (IT, Security, and Facilities)
- Mastering new concepts and skills.

Technical Mastery:

- Physical and logical networking and Layer 2/3 security
- Security architecture (VPN, firewalls, switch configuration, IDS/IPS, log monitoring, aggregation)
- WAN/MAN networking including aggressive cost management and vendor management
- Ruby, RoR, Perl, Php
- Un\*x server management (Integrated authentication/authorization, web/mail/dns, snmp, custom enterprise solutions)
- Database architecture, management, and development (Oracle, Mysql, MS SQL, Postgres)