

## **ERNEST TIDBALL**

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### **SUMMARY**

27 years of computer experience. 21 years of professional experience. 17 years teaching computer courses. Ten years of IT audit experience. Five degrees. Three years of SOX IT audit experience. Managed between one and seven IT auditors. CISA. MBA.

### **TECHNICAL SKILLS**

**Security Tools:** Advanced LAN Scanner, Cerberus Internet Security Scanner, DumpSec, ESM, LANGuard, Lavasoft Adaware, Netcraft, NetIQ, NetRecon, Nmap, Retina, SamSpade, Spybot, Symantec Security Check, Typhon, and Webscan.

**Website Analysis Tools:** Netcraft, NetMechanic, Web Inspect, and Website Garage.

### **EMPLOYMENT HISTORY**

#### **Sr. IT Audit Consultant, Susquehanna Bancshares, Lititz, PA (4/07-Present)**

- Conducted a data center audit.

#### **Consultant (1/06–2/07)**

*Performed IT audits for Protiviti, Philadelphia, PA; Securance Consulting, Tampa, FL; Peopleflex, West Chester, PA; and IT security reviews for Tax Factors, Fritztown, PA*

- Conducted IT SOX audits of a mortgage company, a dental supply firm, a building supply manufacturer, an image and scanning business, and a cancer research firm. Used SharePoint as a repository for audit test plans, audit test results, and audit evidence. Audited access controls, computer operations, logging and monitoring, problem management, and change management for Oracle, UNIX and Weblogic. Reviewed Bindview and Tripwire reports. Uncovered excessive root access. Discovered an application auto logon. Wrote SOX narratives and test scripts. Reviewed Tripwire reports. Assessed network security and made recommendations. Taught computer classes.

#### **NORTH PENN HIGH SCHOOL, Lansdale, PA (Evening/Saturday) (1/03–Present)**

##### ***Continuing Education Computer Teacher***

- Have taught courses in computer security and Access.

<http://www.npenn.org/5577992912550/lib/5577992912550/COMED%20Spring%202007.pdf?5577992912550Nav=l&NodeID=1128>

#### **GR CONSULTING, Jenkintown, PA (11/04–1/06)**

##### ***Sr. IT Auditor***

- Performed IT SOX reviews including general controls and application reviews. Interviewed potential job candidates for clients. Wrote vulnerability analysis guidelines. Wrote IT policies, procedures, and an employee handbook. Helped HR modify an employee candidate form. Audited two banks, a clothing retailer, a computer repair business, a data center, a computer add-on manufacturer, and a phone directory publisher. Brought in one project 100 hours under budget, thereby saving the client over \$10,000.

**SUNGARD, Wayne, PA (1/00–11/04)**

***Sr. Internal IS Auditor***

- Performed IT audits. Sarbanes Oxley experience. Assessed access controls. Tested data integrity and reviewed data paths. Evaluated financial systems security controls. Supervised audits as Auditor-in-Charge. Taught Internet and UNIX audit classes for internal auditors. Wrote announcement letters, strategy memos, and audit reports. Assessed auditing, security monitoring, log review, and filtering tools for SunGard businesses. Provided Internet security advice to SunGard businesses, including security settings and policies. Assisted businesses designing new systems with security analyses. Provided assistance to clients in changing computer settings to resolve audit findings. Conducted ASP, application development, change control, computer operations, GLBA, LAN, Excel, logical security, physical and environmental security, operating system, RACF, SOX, SQL server, UNIX, WebSphere, Internet, Intranet, Oracle, and eCommerce audits. Performed risk assessments. Used social engineering to access tapes stored at a vendor site. Performed penetration testing on websites and networks. Accessed an Intranet website by determining a user's password. Bypassed entry security to enter a data recovery center. Convinced a user to reveal his/her password. Conducted audits in the US, Australia, Canada, England, France, and New Zealand. Distributed computer tech tips weekly to key IT business personnel. Designed a file and web portal for the audit team to make it easy to find audit documents on the network by clicking on hyperlinks. Documented physical security issues using a digital camera. Interviewed potential new IT audit employees. Instrumental in showing the business the need to audit Corporate IT. Wrote audit programs for Apache server, disaster recovery, firewalls, GLBA, HIPAA, IIS, Linux, Microsoft Excel, Offsite Storage Provider, Oracle, routers, SonicWall, SOX, SQL Server, Sybase, Tandem, telecommunications, UNIX, VLAN, VPN, and Windows. Reviewed other auditors' workpapers. In 2003, SunGard IT Audit received a rating of 1, the highest rating, from the FFIEC. The government reviewer who inspected my workpapers said that they were very detailed and well written.

**LOCKHEED MARTIN, King of Prussia, PA (5/97–1/00)**

***Internal IT Auditor***

- Performed some financial audits for the first six months. Assisted in cost analysis review. Performed IT audits. Designed a Webpage for the IT Unit of Corporate Audit. Wrote a telecommuting policy and agreement and was instrumental in convincing Corporate Audit to implement telecommuting. Discovered that an offsite vendor would release tapes to unauthorized recipients. Found a system in existence that was not reconciling debits and credits accurately. Uncovered export control violations that resulted in the closure of a business. Revealed over 200 violations of company policy and government law in leading a Web security audit. Penetrated a company accounts payable system and a Corporate Macintosh system console. Designed an electronic filing system via links to easily find files on a server. Instrumental in convincing management to obtain a shared server accessible to all audit units. Provided computer help and data extracts for auditors across the Corporation. Used ACL to analyze data extracts for audits. Used Enterprise Security Manager to perform Novell and NT audits. Performed a contract compliance review for RACF on an OS 390 and AS 400. Wrote whitepapers on SAP Security and Electronic Timekeeping that were distributed to key individuals throughout the Corporation. Made regular contributions to the Internal Audit Webpage bulletin board regarding software help. Wrote an article for the Corporate Audit internal newsletter entitled Building or Busting Auditees. It has been incorporated into the package for new auditor training at Lockheed Martin. In '99, our audit department received the Institute of Internal Auditors Commitment to Quality Improvement Award and received an award for thinking outside of the box on Electronic Workpapers. In 10/99, spoke at an MIS/IIA Conference in Arlington, VA on Strategies for Improving IT Audit Productivity. Wrote NetWare audit program

**KEANE CONSULTING, Media, PA (2/97–4/97)**

***Y2K Systems Programmer***

- Wrote a program to detect program code that was not Y2K compliant, including COBOL, DCL, FORTRAN, JCL, and Datatrieve. Added value by listing code and called libraries no longer in use.

**COMMUNICATIONS TEST DESIGN, West Chester, PA (3/96–2/97)**

***UNIX Systems Administrator***

- Performed tape backups. Designed UNIX job scripts. Wrote C, SQL, and Ingres computer programs. Provided help desk support. Monitored the system for CPU utilization and made job and process adjustments.

**LOCKHEED MARTIN, King of Prussia, PA (8/86–2/96)**

**Software Engineer**

- Designed a forward pricing reporting system so that all proposal personnel would use the most current rates. Developed a reporting system used by over 200 individuals measuring contract performance. Wrote programs in COBOL, Focus, FORTRAN, Honeywell and IBM JCL, Digital Command Language procedures, Pascal, and Clists in TSO. Provided PC and software desktop support in DOS, Excel, Word, Windows, and PowerPoint. Taught Focus software classes.

**TEACHING EXPERIENCE**

*Taught the following courses at General Electric, Lockheed Martin, Martin Marietta, Methacton High School [http://www.methacton.org/Fall\\_2003\\_files/page0009.htm](http://www.methacton.org/Fall_2003_files/page0009.htm), Montgomery County Vo-Tech, Norristown Area High School, Pennsylvania Business Institute, and Pennsylvania Institute of Technology*

Access, Excel, Internet, Keyboarding, Lotus 123, MS Works, Pascal, Photoshop, Quark Express, PowerPoint, Web page design using HTML, Java, and JavaScript, Windows, Word, Word Perfect

**EDUCATION:**

LaSalle University, Philadelphia, PA (1989 – 1996) - MBA–MIS major

Ursinus College, Collegeville, PA (1982–1985) - BBA–computer science major

Montgomery County Community College, Blue Bell, PA (1981–1982) - AAS–business management

Faith Theological Seminary, Elkins Park, PA (1973–1976) - M. Divinity

Berkshire Christian College, Lenox, MA (1967–1971) - BA in theology

**CERTIFICATIONS:**

Certified Internet Security Scanner user  
CISA

**TRAINING:**

Additional individual courses taken:

Auditing Windows NT  
eCommerce Security  
Electronic espionage  
Firewalls, routers, and VPNs  
Internal auditing  
IBM Job Control Language  
PKI  
Windows 2000 Security

**PUBLICATIONS:**

<http://www.theiia.org/itaudit/index.cfm?fuseaction=forum&fid=101>

**MEMBERSHIPS:**

IIA  
Information Systems and Control Association [ISACA] - Board member 2000–2005

**LICENSES:**

Minister's license – Listed with Help Ministries at <http://www.hm.org/pulpitdir.htm>