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Mission

In addition to my ability as a Technical lead, by far one of my greatest assets is my ability to build a framework of understanding in the development of Networks, Security, Risk Assessment, Risk Reduction, as well as the development of Personnel which support those Infrastructures for Corporations on a Global basis.

Employment History

ABS Computer Technology - Pittsburgh, PA Sept. '99 – Present

Senior Enterprise, Linux and Security Consultant, President

We develop solutions for Small to Global businesses to eliminate Spam, Protect them from hackers, and provide secure web hosting.

We are also known for our Security Solutions which protect Utilities from Inside and Outside threats. We promote the use of a multi-layered defense, open source solutions, as well as best in breed Enterprise Management solutions to provide a robust and durable solution to our customers.

We use many Open Source Projects for the proliferation of security. Including the Bastille Firewall Project and the PSAD (Port Scanning attack detection) projects. Included in our deployment of security is the Spam Zapper Filtering environment for Business and Internet Use (<http://www.No-JunkMail.com> & <http://www.Spam-Zapper.com>). I originally developed the use of IDS and Proactive Security Tools to mitigate risk in corporate environments.

Implemented both Network and Server based Security Tools for both detection and protection. Transformed traditional networking protocols to more secure SSH Based protocols. It has become a well known fact that clear text protocols are insecure by design.

Worked with the Pittsburgh FBI in the development of a Brochure on HOW TO Protect yourself from SPAM. While only recently developed, even these [Best Practices](#) have evolved to require that companies utilize a Security in Depth Approach to Email.

Created redundancy for the E-Mail, Radius Authentication, DNS , DHCP and other features required to operate the Internet Service. Developed new Billing applications for Informix Dynamic 4GL, C-ISAM and ESQL/C Tools for Linux, using the DBA experience on Informix products for better operations. Migrated data from the Informix 2.0 database to the 7.24 database engine. Developed Client Server based applications, and customized interfaces to Informix databases with InfoFlex, MySQL, TomCat and PowerBuilder tools.

Developed the ITO Architecture for a Nationwide Telecommunications NOC, utilizing my ITO version 3.x, 4.x and 5.x experience. Established HP OpenView, NNM 6.X to support the Network Monitoring on the Nationwide Call Center. Established and integrated SNMP communications with BEA Tuxedo. Implemented customized message filtering for internal messages. Developed customized reporting scripts to identify problematic areas of servers and report their information to the centralized message center (or NOC). Developed new Tools to support the ITO Architecture on a Multi-Vendor Client basis for Process reporting, Dynamic Filesystem reporting, and customized E-Mail interaction.

Supported the HP IT Resource Center Forums, and became the leading non-HP support person (<http://forums.itrc.hp.com/cm/Home/1,1149,,00.html> registered ID # CA479450) for HP Networking & OpenView problem resolution.

Implemented the MySQL Database environment for PHP communications with Apache and database oriented web sites. Acquired, Installed and integrated Oracle for Linux for software Development and Application Migration from IBM AIX and other Unix based Operating Systems. Implemented NIDS systems (IP based and Stealth solutions) for Passive and Active Security Roles.

Co-Founder of the Pittsburgh Chapter of the InfraGard by working on the First Board of Directors, and serving as the Chapter's President. More information about the InfraGard may be obtained at [Pittsburgh InfraGard](#). ABS Computer Technology has remained a Vital Contributor to the Pittsburgh Chapter.

Worked with the Bastille and PSAD projects in implementing Internet and Inter-Network security for many companies. Bastille was utilized in implementing hardened environments for Unix based Servers. Adapted the use of Bastille and PSAD for the development of IPS for customers of ABS Computer Technology, Inc. Supported the development of Bastille for Unix and Linux. Made recommendations for additional Hardening, improvements for portability, and optional modules for better Firewalling.

Received the US Patent and Trademark registration for the [SpamZapper](#)® also in use at [No-JunkMail.com](#) and [SpamZapper.us](#). Additionally, the trademarks [ActiveDefense](#)™, [ServerSafe](#)™, and [CleanContent](#)™. These tools improve the security of businesses internationally.

Developed a Partnership with RedHat and Mandriva to support the Linux Sales and Services requested by our customers.

Thiel Corporation, N.V. – Oranjestad, Aruba, PA August '06 – December '06

Chief Technology Officer - CTO

Provided Infrastructure and Organizational support and decisions for the company, while guiding it to a stable and reliable environment. Assisted in the review of the ITSM and developed the Security Guidelines for use in the company to provide a “Reliable, Redundant, and Cost Effective” IT Platform to support the customer (operations) base.

PPG Industries - Pittsburgh, PA Sept. '95 – July '99

Senior Systems Consultant, Corporate Computer Systems Division

Created, designed and implemented the corporate wide Domain Name System (DNS) facility for use on HP-UX, IBM AIX, Sequent Dynix/ptx, Novell and Windows NT systems. Introduced the ability for Unix Computer Systems to deliver E-Mail to the Corporate Desktop Environment. Evaluated several backup packages for use on HP-UX and IBM AIX platforms, for the Backup QAT. Supported the Unix Security & QAT teams to recommend and evaluate several Unix & Network based security tools. Provided training in DNS & TCP/IP communications. Worked closely with customers in resolving day to day problems in Unix/Networking Environments. Responsible for the installation, support, and maintenance of HP OpenView Application Software as well as the Operating Systems which support them. Worked with the Technical support teams of the manufacturers to identify and resolve problems. Supported the Internet Support Teams to facilitate and resolve technical issues. Performed daily Unix Systems Administration and provided support and problem resolution for the Unix Support Hotline.

Implemented and Evaluated HP's IT/A (IT Administration) software for support of the Global multi-vendor network.

Implemented customized reporting capabilities with the MeasureWare and PerfView tools, components of the HP OpenView application suite.

Worked extensively with the Developers and Support Labs of the HP ITO, HP ITA and OmniBack Software packages in Germany and Fort Collins.

CTG, Metals Center - Pittsburgh, PA May '95 - Sept '95

Senior Systems Engineer

Provided technical support for the HP-UX 9.04 operating system for the development of client server applications with the Oracle database. Ensured that the computer system was operational and resolved problems with the operating system with patches from the HP Internet FTP site, as required. Converted 3 background processes from the DEC VAX/Sybase environment into Unix Daemons for use with the HP-UX/Oracle environment.

Supported the client application development team with PowerBuilder support, Novell networking support and the use of ANSI SQL with Oracle. Made extensive use of the Internet to both provide technical support, current information and retrieve patches for all of the applications under development.

Thrift Drug Co. - Pittsburgh, PA May '94 - May '95

Senior Systems and Database Consultant

Performed the lead role for the Informix OnLine DBA as well as assisting in the configuration of the Development and large scale Production computer systems. Developed programs to support and administer the Databases in Kansas City and Pittsburgh using C and shell programming languages for the Sun Unix environments. Each of these platforms made extensive use of both Unix and Client/Server technologies.

Developed the database access standards for the re-engineering of existing applications and all future development efforts. Instructed in-house staff and consultants in effectively utilizing the database engine. Personally re-engineered the worst behaved applications using the in-house standards. Assisted the developers in understanding and utilizing the proper checking of SQL status codes and the implementation of various database-locking methods.

Introduced Internet access to the Database and Tech Support departments for the delivery of more timely information over traditional in-house methods. This access was also used for the immediate delivery of problems to the vendors Technical Support departments. The Administration was also interested in using the Internet for informational and business opportunities.

Stadtlanders Drug Co. - Pittsburgh, PA Nov '93 - May '94

Senior Systems Engineer

Developed the key technical issues which redirected the development of the Order Management & Lead tracking system from a character based system to the GUI based SQL Windows package from Gupta and DBA responsibilities for the Informix On-Line database system. Responsible for the operation of the entire Production, Development, and Test PC Networks. These systems were deployed on Sun hardware using the Solaris operating system. Designed the new Fiber Optic & Computer system network for the new pharmacy fulfillment center utilizing Level 5 AT&T cabling. Supervised the new MIS - Technical Services Group which supported the Telephone & Voice communication system, PC systems and Unix based applications.

Aluminum Company of America, Alcoa - Pittsburgh, PA Apr '93 - Oct '93

Systems Consultant - Unix OLTP Team

As a systems consultant for ALCOA I was responsible for the Installation of all Unix based computer systems in the Corporate Data Center. In the first 5 months I was instrumental in the configuration, installation and development of over eight HP 9000 Unix systems for use with the Oracle version 7 and Oracle Financial Packages. These systems are being installed, utilized and managed for the deployment of the new Shared Ledger & CFD accounting systems for all of Alcoa's subsidiaries worldwide.

Whale Information Technologies, Inc. - Pittsburgh, PA 1985 - Feb '93

Senior Systems Engineer, President

Whale Information Technologies (WIT) was a Pittsburgh based Computer Hardware and Software Design and Consulting firm. As the Manager of the Engineering staff I was responsible for assessing the technical capabilities of the engineers and the progress made in their assignments, while reviewing new and existing products. My other responsibilities the development of proposals and contracts, and managing multiple customer projects and deadlines. WIT also provided its customers with 24 hour a day, 7 day a week support.

Our proprietary software packages included:

The ABI-Tele Software Billing System - The first Unix based billing system for telephone companies. The ABI-Tele system was also the first 'flexible' billing system developed to allow the existing in-house staff to modify the billing information without programming changes.

LAS - Lab Analysis Software - Developed for the historical storage and trending of analysis results from customers' used oil samples. This is the first package that uses graphics to display analysis data on sample reports.

Hazardous Waste Tracking System - Developed for the hazardous waste industry to track the inventories and transportation of hazardous wastes. The system takes care of quotation, inventory, invoicing, manifest reports and EPA reporting.

Albert Whale and Associates - Pittsburgh, PA 1985 - 1987

Systems Consultant / Owner

The ABI-Tele Software Billing system was initially developed under Albert Whale and Associates. Albert Whale and Associates was incorporated as Whale Information Technologies, Inc. upon completing the development of the ABI-Tele system.

Allegheny Ludlum - Natrona Heights, PA 1985 - 1987

Project Engineer

As a Project Engineer I developed several computer systems that improved and automated the company's daily operations in the plant. The following was the first project that I developed and installed.

Automated Inspection system - This system was developed using real-time vision, robotics and lasers to inspect steel as it was being processed. The system detected holes and found the optimum length to cut the steel coils. The first system installed saved the company over \$2 million per year.

My expertise in computer systems and technical skills also were used to assist other engineers in the completion of various other projects, including the development of a Real-time tensioning and control system for a Multi-stand rolling mill, and the development of the company's first redundant ETHERNET based computer system for analysis of sample information, to name a few.

International Business Machines, IBM - Boca Raton, FL 1984

Professional Engineer, Summer Position

During my three-month position, I developed the IBM Series/1 business demonstration that was taken to various trade shows across the country. All of the work completed on this project was performed while my project leader was in Europe for his summer vacation. Using my communication and technical skills, I was able to convince the other members of the group to grant me the additional access to both the facility and its resources to complete the project.

Contraves Georz Corporation - Pittsburgh, PA 1980 - 1981

Electrical Chassis Wirer / Assistant Engineer

Manufactured three-axis missile and gyro test systems.

U.S. Navy - USS Chicago CG-11 San Diego, CA 1977 - 1979

Electrician's Mate - Honorable Discharge

Education

*CHS – Certification in Homeland Security
American College of Forensic Examiners International*

[OCTAVE®](#) - Information Security Risk Evaluation

*HP OpenView Systems Administration
Sun Solaris Advanced Admin*

Penn State University- State College, PA 1980 - 1985 Bachelor of Science, Electrical Engineering

Penn Technical Institute - Pittsburgh, PA 1979 - 1980 Electronics

Dale Carnegie Institute - Pittsburgh, PA

Advanced Leadership & Communications Training - Penn State University

Systems

Data General (DG) - AViiON based systems.

Digital Equipment Corporation (DEC) - PDP-11/23, PDP-11/34, PDP-11/44, Micro VAX 2000, Micro VAX II, Micro VAX 3500, DECSystem 5000, VAX 6000.

Hewlett Packard (HP) - 9000/700 Workstations, 710 and 730, 9000/800 Servers, 827, 857, 877, G30, G50, H40, H50, I50, K4x0 series, D, T, N and V-Class Clusters Series.

HP OpenView Applications Suite - Glance/Glance Plus, MeasureWare, IT Operations Center (ITO) versions 3.x, 4.x, 5.x, Network Node Manager (NNM) 4.x, 5.x, 6.x,

IT/Administrator (ITA), OmniBack.

IBM - Series/1, 3090, RS/6000, RT, S70's and personal computer systems.

Motorola - VME, 68XX, 68XXX, 88XXX and VERSADOS systems.

Sequent - 2000/200 & 750, Numa

Sun - SPARCcenter 2000, SPARCserver 1000, Classic LX & GX, Sun Enterprise 250 & Enterprise 450, SPARCFire V2100, Veritas Cluster Management. Solaris 2.3 thru Solaris 10.

Linux – Slackware, RedHat 5.2, 6.X, AE, Fedora, Linux-Mandrake 6.X, 7.X & 8.X, 9.X, 10.X, 2005 & 2006 (also know as Mandriva), Suse.

Web Servers – Netscape FastTrack Server, Apache Web Server.

Cisco – 2600, 3660 & 7200 Routers, 3500XL Switches, CWSI 2000 (Cisco Works), PIX

Operating Systems - AIX 3.2.5 & 4.X, RSX 11/M, RSX 11/M+, TSX, VAX/VMS, VM, DEC Ultrix, DG UX, HP-UX 8.X, 9.X, 10.X & 11.X, AT&T System V, Dynix, Dynix/ptx, EDX/EDL, SCO UNIX, Sun Solaris 2.2/2.3/2.4-2.7 & Solaris 8, Novell, DOS, Apache WebServer, Netscape Fast Track Server and Microsoft.

Programming Languages - Basic, Fortran, Pascal, C, C++, Assembly Language, Cobol, Dibol, DCL, DECnet, Datatrieve, DECForms, RMS, Perl, TomCat 4.0, Java, Various Shells (Bourne, Korn, C, Bash, rsh), Infoflex, Informix 4GL and Dynamic 4GL, Informix OnLine 5.0X – 7.X, SQL, ESQ-L-C and C-ISAM, ERWin Data Modeling Tool, Oracle Version 7.X & 8.X, PHP and MySql databases.

Microsoft – Experienced with all Microsoft tools including FrontPage, Exchange, through the Microsoft BackOffice Suite. Windows 2000 Professional, including DNS configurations and updates via Active Directory Services.

Networking Tools – Sendmail v8.X – 8.12.1, SNMP v1 & v2/v2c, DNS, DDNS, DHCP, Netcool – Micromuse, Optivity, NMAP, Satan, Saint, Radius (RAS), QIP, SSH, Unix Anti-Virus Tools, Veritas Nerve Center, LDAP, Open NMS, Nagios, HP OpenView (Enterprise Monitoring & Management), ITO, NNM, OVO, Port Sentry and Security Scanning and Detection Tools, Various Auditing and Penetration Testing tools.

Honors

Registered Trademark with the USPTO for SpamZapper®

Developed Partnership with RedHat Linux.

Young Brothers Tae Kwon Do – Black Belt program.

Past President of the Pittsburgh InfraGard Members Alliance

Obtained CISA – ISACA – 2004

Member of ISACA – Pittsburgh

Charter Member of the Computer Security Institute

National Register's Who's Who in Executive's & Professionals- 2004
Business Advisory Council - RNCC
Founding Board of Directors, Pittsburgh FBI - InfraGard
ISSA – Pittsburgh Chapter
Obtained CISSP Certification – 2002 – INFOSEC
National Leadership Award – 2001, 2002
McKnight Village Civic Association - Board of Directors
IT Royalty Status received on HP's IT Resource Center
<http://forums.itrc.hp.com>

Developed the CPU-Hogs Alarm for HP's MeasureWare Product
(currently distributed with the product)

OV Forum (OpenView Forum) Member since 1997
Published Author for several FAQ's and Internet Sites.
The Kensington Who's Who Among Business Professionals and Executives - 1998
Sponsored the PAPI E-Mail List - Pennsylvania Parenthood Initiative - A Founding Father
The National Congress for Fathers and Children
PTA - Ross Elementary, North Hills
Parents without Partners - 1996 - President, Chapter #590
Parents without Partners - 1995 - Public Relations Director
Who's Who Among Rising Young Americans - 1992
Member of the IEEE and Computer Society
Penn State Engineering Society - President, 2 years
Nominated to Who's Who Platinum Edition, Worldwide Registry

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If you have any question,
please free feel to E-Mail me at aewhale@ABS-CompTech.com