

## MARK A. TEMPLE



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[VOIP](#), Text, VPN as needed

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**OBJECTIVE:** A position where I can use my discretion, reliability, experience, tenacity, and creativity to design, build and maintain practical solutions.

**EXPERIENCE:** Portfolio: [https://drive.google.com/open?id=0B\\_dgjmb9-uKlcDBBeXZaYkJHYVE](https://drive.google.com/open?id=0B_dgjmb9-uKlcDBBeXZaYkJHYVE)  
Other: [https://drive.google.com/open?id=0B\\_dgjmb9-uKIQmZIR3Z0LV01b0k](https://drive.google.com/open?id=0B_dgjmb9-uKIQmZIR3Z0LV01b0k)

February 2005—  
Present

**HVAC TECHNICAL DESIGNER,**  
Web based automated data management of BAS. Carrier i-Vu Controls design, Building Automation Systems design. AutoCAD 2D, 3D, (versions 11-DOS through 2015) project design of mechanical, electrical and plumbing systems development. Network support, data transfer, security, remote access via Linux and Microsoft systems. HVAC consulting and diagnostics. GpLEDA electronic circuit design. Arduino micro controller, Carrier BAS controls certified. Primary clients: Midwest Engineering & design and Koch Air.

December 2003—  
February 2005

**TECHNOLOGY CONSULTANT AND CONTRACT SOFTWARE DEVELOPER,**  
Linux system management, Perl and mod\_perl cgi design, Mason, DBI/DBD Postgresql integration, Internet router firewall security with iptables, email design (postfix/spam assassin/mailescanner), WiFi network configuration, Apache WEB server management, 10/100 network design, IBM Tivoli storage management design on Linux, system programming. Microsoft Windows System administration. Primary clients: Troy Research, and Personalized Computers.

August 1997—  
December 2003

**INFORMATION TECHNOLOGY MANAGER, ABC Laboratories, Inc.**  
Linux system management, Internet router firewall security, email management, compliance supervision, Apache WEB server management, Responsibilities: VAX VMS cluster administration, computer network oversight, computer personnel administration, technology planning and selection, computer operating system performance administration and system programming.

November 1993—  
August 1997

**SYSTEMS ANALYST, ABC Laboratories, Inc.**  
Responsibilities: Computer hardware and software maintenance, DECnet monitoring, VMS monitoring, micro-computer repair, software installation, computer problem help-desk, network hardware maintenance, computer software security, user training, database management, ALLIN1 management, and programming system applications in C and DCL.

August 1992—  
November 1993

**MICRO-COMPUTER SPECIALIST, ABC Laboratories, Inc.**  
Responsibilities: Computer hardware and software maintenance, DECnet monitoring, VMS monitoring, micro-computer repair, software installation, computer problem help-desk, network maintenance, computer software security, and user training.

March 1989—  
August 1992

**COMPUTER ENGINEER, University of Missouri, Columbia, Missouri**  
Responsibilities: Computer hardware and software maintenance, software design in C and Pascal, Computer user training, maintaining environmental control systems for various computer rooms in the engineering experiment station, equipment purchasing, network design and installation.

August 1983—  
March 1989

**PRESIDENT, A & O Mechanical, Inc., Columbia, Missouri**  
Refrigeration and HVAC service, installation and diagnostics. Administration Duties: Customer Relations, accounting computer maintenance, accounting software maintenance, parts ordering, customer credit approval, personnel field engineering duties, refrigeration service calls, computerized controller troubleshooting, vehicle maintenance, electric motor rebuilding. Certificate member RSES. Licensed Electrical Contractor.

**EDUCATION:** High School 1974, Wayne Comm, Corydon Iowa, along with various College courses and self training though reading and hands on experience. Continuous student of current technology via WEB training.

**CONTINUING EDUCATION:**

- 2015: Verex building security systems
- 2014: Carrier BAS Controls Certification
- 2002: Institute of Validation Technology: computers in bio-informatics (3.5 days)
- 1995: TGV: TCP/IP Training, Applying Multinet to OpenVMS (5 days)
- 1992: Digital Equipment Corp.: Ultrix System Management training (3 days)
- 1991: University of Missouri: undergraduate honor roll (2 semesters)
- 1991: Digital Equipment Corp.: Network Management for VMS DECnet (5 days)
- 1989: Parsec: VMS System Management training (5 days)
- 1988: Columbia Career Center: Micro-processor II software and interfacing (1 semester)

**SKILLS:**

Hardware

I7-950 Intel system, Arduino Micro Controller, Athlon 64, Tyan, Athlon SMP, MSI, Zeon, Pentium I,II,III, PC-ATX, ICP Vortex RAID, 3Ware RAID, Adaptec SCSI, 3Com SuperStac Network Gear, Ascend Routers, Access Beyond RAS, 10baseT, 10base2, 10base100, RS232, USR modems, 3Ware RAID, Bell and Howell 8000 document scanner, Iotech MultiScan temperature/humidity scanner, Cybernetic tape drives, HP Laser printers, HP tape drive, DEC 300 Terminal Servers, VAX 4000, VAX 4500, Alpha Server 4000, DEC VaxStation, MicroVax, VAX 11/780, PDP-11, Kaypro10, Beckman scintillation counter

Operating Systems

GNU/Linux, (Arch, Ubuntu, Fedora, RedHat, SUSE, Mandrake) Kernels 3.0, 2.0, 2.2, 2.4, 2.6, OpenVMS 5.x, 6.x, 7.x, Digital Ultrix (Tru64), DrDos, MsDos, Windows 3.x, Windows NT 4.0, Windows 2000, Windows XP, Windows 7, Windows Server 2003

Software

Selenium data management and unit testing. GEDA integrated circuit design, PCB, Apache 1.3.x, mod\_perl, iptables, SAMBA 2.x, 3.x, Sendmail, Postfix, OpenSSL, nmap, CommuniGate email, ipchains, iptables, vi, vim, Libre/OpenOffice 1.x, StarOffice 7.0, Oracle, MySQL, DBI-DBD, PostgreSQL, cron, tcpdump, many UNIX/GNU/Linux applications, all web browsers, Gimp, Qcad, AutoCad 2015 ... Autocad 11 for DOS, DEC Pathworks 4.x 5.x 6.x, WordPerfect, QuattroPro, Alpha4, MS Office

Languages Perl, C, bash, HTML, expect, Digital Command Language, HTML, JavaScript, Pascal, BASIC

**ACHIEVEMENTS:** 2003: Saved ABC Labs over \$350,000 with Open Source software and in-house developed systems over the last three years.  
2003: Installed an Overland tape library and IBM Tivoli Storage Manager for a comprehensive backup/archive and recovery system on Linux.  
2003: Installed Postfix/MailScanner/SpamAssassin in our MX to better manage email.  
2003: Developed a Perl web based voice synthesized alarm system for my temperature and humidity logging system.  
2011: Designed Arduino digital controlled motor controller

**REFERENCES:** Available upon request. (work samples also available upon request)