

Objective

I am always looking for a challenge. One where I can use the skills and knowledge that I already have and yet still grow and learn.

Applicable Skills

Certifications:

AWS Certified Solutions Architect – Associate (AWS-ASA-18516)

Experienced designing and deploying distributed applications in scalable, highly available, and fault tolerant systems on the AWS platform.

AWS Certified Developer – Associate (AWS-ADEV-4264)

Experienced developing and maintaining applications on the AWS platform.

CEH (EC-Council: Certified Ethical Hacker)

Experienced assessing the security of computer systems, using the same knowledge and tools as a malicious hacker, but in a lawful and legitimate manner.

Operating Systems:

Linux/Unix 10+ Years:

Debian/Ubuntu, Redhat/CentOS, OS X

Services:

Apache, nGinx, Varnish, PHP, MySQL, node.js, nProbe, Postfix, ntop, Nagios, bind, IPCop, Salt, Chef, Git

Microsoft Windows 15+ Years:

2012/2008/2003/2000/NT4/NT3.5

Services:

Domain Controller, Storage Server, SQL, IIS, WSUS, Exchange, 800xA

Programming/Scripting Languages:

Node.js, JavaScript/JQuery, Ajax, PHP, MySQL, HTML/CSS, BASH, Perl, C++, IEC61131-3, VisualBasic/VBS, Java

Networking:

Firewalls/Routers:

AWS VPC, Cisco ASA, Fortinet Fortigate, IPCop

Services:

VPN, Policy Management, Virtual IP, Security Groups, Network ACLs, WAF

Managed Switches:

Cisco, HP Procurve, Hirschmann

Services:

VLAN Management, Trunking, Monitoring

Computer Hardware:

Installation, configuration, maintenance of complete systems and components including RAID, iSCSI, NIC teaming, CPU and Memory upgrades, UPS and PSU provisioning

Virtual Machine Environments:

Amazon Web Services, VMWare ESXi, Oracle VirtualBox, Parallels

Miscellaneous:

GIMP, Avaya IOffice, Filesystem and Data Recovery, Typing 90wpm, Spanish

Employment History

(07-22-2010 – Present) Hart Energy – Director of Technology:

<http://www.hartenergy.com/>

Duties:

- Director of Technology for a growing company with offices world wide
- Hiring, supervising, and training Windows Server Administrator, Network Administrator, IT Specialist, and Desktop Support positions
- Developing IT policies and procedures that ensure high availability and minimal disruption to employees and external clients
- Supervising the Digital Project Management team and assisting with development prioritization
- Design and architecture of High Availability, scalable, application serving solutions in AWS
- Administration of Linux Apache, nGinx, Varnish, MySQL, Postfix, Nagios, ntop, VMWare ESXi, and AWS EC2 server clusters
- Administration of routing, VPN, and firewall policies across eight separate networks using HP, Cisco, Fortinet equipment and AWS VPCs
- Administration of VLANs, and VAPs on HP and Cisco equipment and IP Address allocation
- Administration of Avaya IOffice telecom system

Accomplishments:

- Migration of several web properties from physical data centers to Amazon Web Services using EC2, Elastic Beanstalk, Lambda, RDS, DynamoDB, and other services
- Development of Continuous Deployment strategies with GitHub integration using AWS Code Pipeline and AWS Lambda
- Migration of Windows Server 2003 infrastructure to 2008 and 2012
- Network provisioning and expansion accommodating the opening of satellite offices
- Migration of company wide email system from Exchange 2007 to Google Apps for Business
- Network assessing and merging of acquired companies
- Migration of central office network from Class C to Class B
- Design and development of IT equipment inventory system using PHP and MySQL

(10-07-2014 – 10-07-2017) DKM Labs – CTO:

Duties:

- CTO for a digital digital web and mobile development studio
- Design and architecture of High Availability, scalable, application serving solutions in AWS
- Research and development of procedures using new technologies and frameworks
- Estimating and minimizing AWS costs and developing cost saving policies

Accomplishments:

- Assisted in the development of a project management app using the MEAN stack and hosted in AWS for uptime and scalability
- Participated in the upgrading and migration of a class scheduling service developed in the LAMP stack and hosted in AWS Elastic Beanstalk
- Developed cost saving serverless hosting solution for interactive brochure site using AWS Lambda, API Gateway, DynamoDB, and SES

(01-05-2009 – 07-20-2010) ABB Inc. Automation – Field Service Engineer:

<http://www.abb.com/>

Duties:

- Supporting ABB 800xA systems running on MS Windows Server 2003 and Active Directory
- Configuring and supporting MS DNS, TCP/IP, and ABB's proprietary RNRP networking protocols
- Configuring VLANs and port assignments on Cisco and Hirschmann managed switches to maintain tiered network
- Supporting hardware for S800 I/O, Cat6, Fiber Optic, Serial, and MODBUS communications

Accomplishments:

- Participated in the installation of a redundant Microsoft Active Directory and ABB 800xA distributed process control network during the construction phase of twin oil drilling platforms
- Traveled to offshore platforms in the Southern Atlantic during the commissioning phase to assist in the implementation and testing of the distributed process control network
- Assisted in the testing and commissioning of turbine upgrades for a power generation plant using Microsoft Active Directory and ABB Process Portal B.

(09-10-2007 – 12-31-2008) Rice University – Data Center Operations Specialist:

<http://www.rice.edu/>

Duties:

- Installing and configuring rack mount servers including cabling for power, network, and LOM
- Provisioning and documenting network port and IP assignments
- Monitoring local network, infrastructure, and utilities for critical events using Nagios and proprietary monitoring systems

Accomplishments:

- Automated polling of data center thermistor grid using Perl with hourly output to CSV files
- Developed inventory database in PHP/MySQL to replace unsupported MS Access solution
- Participated in new infrastructure and networking deployments in offsite data center

(04-01-2007 – 04-29-2009) Top8 Corporation – CTO/Network Security Specialist:

Duties:

- Analyzing Clients' network infrastructure from a security perspective to identify vulnerabilities and advising accordingly
- Responsible for Hardware and Software procurement, installation, and configuration
- Developing policies and procedures for network analysis and responsible data retention

(06-01-2002 – 09-10-2007) Lawyers' Filing & Delivery – IT Administration:

Duties:

- Responsible for network administration, firewall configuration, and LAMP/Tomcat webhosting
- Supporting all servers and workstations hosting custom dispatching and billing software
- Migration of company network from Windows 9x / Novel Netware to Server 2000 / Windows XP

(01-15-1999 – 05-28-2002) Best Computer USA – Lead Technician:

Duties:

- Maintaining the store's reputation as the most honest and knowledgeable PC repair shop in the Houston area
- Interviewing and training applicants for PC Repair Technician positions
- Performing upgrades and repairs on all brands of PC hardware