

ANDRZEJ/ANDREW SWIETEK

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(download most up to date resume online at) <http://resume.swietek.com>

IT PROFESSIONAL

Systems Administration/Network Engineering/Project Management

OBJECTIVE: Hands-on, accomplished and industry certified IT Professional with over ten years of experience in Information Technology in very complex mission critical enterprise and ecommerce applications and systems, seeks a challenging, innovate and rewarding work environment. Proven in delivering projects through strong communication, team building effort, project management and enthusiastic customer service skills.

- Network Planning & Engineering - Unix/Windows System Administration - Project Management
- Server/Application Deployment - Anti Virus / Anti SPAM Solutions - Data Backup Onsite / Offsite
LAN/WAN/WLAN/IPv6 - Software Application Configuration - Disaster Recovery (Pandemic)
- SAN/NAS Management - System Security / Compliance Regulations - Vendor Interaction

Virtualization: Cloud AWS, AZURE, Google, VMWare, Citrix, Windows

Operating Systems: 32/64 Bit Architectures: UNIX, Solaris 9/10/Open, Linux Redhat RHEL, Fedora, Ubuntu, Debian, VMware ESXi, Windows 2012 R2/2019,2022 Standard/Enterprise./Datacenter, Advance Server/Server, 10, 8.1, 7 Professional, Ultimate, Premium /Vista/XP Professional, Home, OS X, Rasebery PI

Networking: IP, TCP, UDP, IPv4, IPv6, DHCP, DHCPv6, DNS, DNSv6, VLAN, NAT, PAT, HTTP, SSL, SMTP, POP3, IMAP, SSH, Telnet, WiFi, FTP, TFTP, SIP, VoIP, PBX, NBX, Multicast, NFS, NIS, MTA, DMZ, VPN, RAS, Radius, Ethernet, Gigabit, Fiber, T-1, BGP, RIP, OSPF, DDI

Software: Tomcat, Apache, IIS, Veritas BackupExec, ARCServe, Norto AntiVirus, Ghost, GoldMine Icewarp

Hardware: DELL PowerEdge 1650, 1850, 1950, 2650, 1550, HP COMPAQ DL 380/360, IBM xSeries, Netfinity, CISCO 3600 Series, Catalyst 5509/3750/3500/2900, PIX, ASA 5500, Cisco IP Phones 7970, Ultra Sparc, Sun Fire V240, Sun Fire V210, Ultra 5, Netra T1, SecureWorks iSensor, Netscreen, HP 3000/9000, Jet Direct, 3Com NBX, Dell PowerConnect, Avaya IP Office, CallManager 7, InfoBlox, EMC Clarion

Firewalls: iptables, ipchains, TCP Wrappers, Cisco PIX, Sonicwall, SecureWorks iSensor IDS, Netscreen, Nokia Checkpoint, Windows Firewall

Storage: SAN EMC Clariion, Navisphere, Fibrechannel Switch, Fibre Channel, HBA, iSCSI, NFS, DFS, LVM, RAID, ext3, UFS, ZFS, Samba

Back Office/Middleware: Citrix XenServer, Microsoft Exchange 2010/2007, Lotus Domino/Notes, Sendmail, Postfix, Qmail, Visio, Norton, McAfee, Websense, Veritas, ARCServe, Hamachi, QuickBooks, GreatPlains, SharePoint, Netscape Enterprise, Prophet CRM, Java/Flash Apps, Webmin, WDS, Astreisk, Trixbox, ASP .NET, Gentran Sterling Commerce, EDI, Spamassasin, ClipperShip, eSoft, Weblogic, Websphere

Database/Programming: Unix Shell, Bash, C Shell, Batch, VBScript, Perl, MS SQL, MySQL, Oracle JSP, JAVA, HTML, C++, ASP, COBOL

CERTIFICATIONS

Linux Administration, Unix Administration, Sun Solaris 10, iNet+ CompTIA, Networking Concepts, Microsoft Windows 2003 Server Administration, Computer Technical Support, Internet Engineering, Dell Certified System Expert, Dell | EMC CX600 xPE, PowerConnect

EDUCATION

New Jersey Institute of Technology B.A. Information Systems Minor: Management M.S. Internet Eng. In Progress

SELECTED ACCOMPLISHMENTS:

Engineered and managed high availability clustered global enterprise DDI DNS & DHCP system for Fortune 100 Company and migrated from IPv4 to IPv6 DNS A/AAAA records to meet new DHCP IPv6 addressing scheme. XquitIT – datacenter relocation DNS, Email, WWW Nashville to Newark, NJ. Migration of DNS/DDI to virtual AWS cloud.

HYPERLINK "<http://blogs.cisco.com/news/new-meadowlands-stadiums-use-of-cisco-stadiumvision-wins-digital-signage-expo%E2%80%99s-gold-award/>" [Successfully deployed CISCO StadiumVision IPTV solution at NMS, Yankees, Cowboys, Boston TD Garden, UK Millenium sport stadiums.](#)

Migrated global enterprise production Unix BIND DDI DNS, Windows and CNR DHCP datacenter to new datacenter with 0% downtime for 130,000+ DHCP clients and employees in United States and world wide. T-Mobile – installation of credit card processing units and at NYC and NJ locations.

Implemented 99.999% redundant DNS system to avoid expensive outages and data loss. Increased overall system load and performance.

Consolidated networks servers in order reduce expenses.

HYPERLINK "<http://cr.yip.to/qmail.html>" [Successfully migrated E-mail System from proprietary to highly scalable and reliable open source architecture saving over \\$100K](#)

Achieved an annual high availability 99.99% mission-critical system uptime on all systems processing 30+ million website hits.

HYPERLINK "<https://ibranch.paragonfcu.com/>" [Deployed IIS iBranch Web Banking System for 60,000+ credit union members in a very large scale, multi-location Web Farm.](#)

Researched and installed server-side Anti-Virus and Anti-SPAM filtration software reducing incoming viruses, spyware, SPAM by 95%.

HYPERLINK "<http://investor.shareholder.com/jpmorganchase/releasedetail.cfm?releaseid=400172>" [Chase Bank / Washington Mutual branches conversion, system imaging via WDS/Ghost, testing of new equipment and server replacement.](#)

Merrill Lynch – Multibranch telephone system upgrade projects. Deployment of CISCO 2800 Series routers & CISCO IP Phones (VoIP).

Wal-Mart – Multistore deployment of new workstations. Installation, network configuration, domain joins and of Windows XP workstations.

IBM – UPS Host Access Support Project – generated SSL error report from production Linux Apache servers with zgrep, grep, awk, print\$

NY 100.3FM Z100 Clear Channel – Email Server Recovery. Linux OS installation & configuration SMTP, mailboxes, aliases, lists, forwarding

PROFESSIONAL EXPERIENCE:

Independent Contractor Global freelancer.com 01/17-Current/Present

Sets up DDI environment in internet space. Registers domains and transfer domains between registrars.

Configures BIND DNS zone files on Windows and/or Linux platforms. Trouble shoots DNS/DHCP

Installs DNS and DHCP software on multiple operating systems.

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Experience on ITIL and Service Management concepts primarily Change, Incident and Event management.

Understands network monitoring concepts and tools.

Experienced working on VMWARE, Hyper-V, Cloud and datacenter environment.

Experienced working on Cisco LAN switching layer 2 switching and layer 3 routing.
Experienced working on Cisco WAN and Multi-WAN internet connectivity.
Experience working on Aruba, Cisco, Open-mesh, Wireless environment.
Experience working on Infoblox, Cisco CNR, Unix BIND and Windows DNS servers.
Experience working on F5 Load balancers (LTM/GTM) in multi-data centers.
Skills to analyze Network performance related issues.
Experience working on TCP packet analyzer tools like snoop, tcpdump, ethereal, sniffer etc.
Good understanding on Firewall and Proxy servers in corporate environment* Synchronises with robocopy and rsync scripts web and application servers attached to load balancers.
Makes backup copies of NAS/SAN drives using scripts and creates RAID arrays/slices or volumes

DNS DHCP Engineer Bank of America New York City, NY 1/15-01/17

Provided DNS expertise for bankofamerica.com and other domains owned by the bank. Also provided expertise for DHCP environment for over 500,000+ devices and over million DNS records in bankofamerica.com DNS domain/zone on the network of the bank. Maintained over 10,000+ ATMs machines so they receive DHCP address so they could perform money transaction and could connect to the backed data servers to process transactions. It is mission critical more important than Google.com because. it is a bank and bank transactions have to occur in real time.

DDI Admin / Cloud Engineer IDT Inc. Newark, NJ 3/13-05/14

Provided 24X7 DDI application support in a high-availability production hosting environment for external and internal applications. Supported million + daily internet traffic requests via Local Datacenters and Amazon EC for telecom apps and call processing Amazon AWS Cloud including Route 53 DNS, failover between multiregion, VPC, EC2, CloudFront, CDN, cloud services.

Responded to phone calls, e-mail and personal requests for technical support and provided 24/7 on call OS & application support.

Performed daily OS & application upgrades, maintenance, audits, resolved (24X7X365) mission-critical problems under pressure. Coordinated all aspects relating to Internet, compliance RFC / IETF / CERT and migration of DNS thorough global registrars.

Administration of Windows 2008/2012, Linux, Solaris, VMware5, F5 GTM/LTM, UltraDNS, Load Balancing between datacenters.

Created and maintained support documentation for day to day support. INFOBLOX setup and configuration for IPAM and DNS/DHCP configuration along with BIND Unix DNS and GTM/F5.

Install RHEL Enterprise 5/6, Centos 5/6 configuration and installation of open source packages and trouble shooting.

Executed bash and shell scripts in Linux/UNIX based systems to provision new servers and backup data. Created AWS virtual environment to support production and non production/lab environments.

Provided continual service improvement to the DNS/DHCP service.

IT Director / Cloud Engineer Vindico Group / Specific Media NYC 5/11-5/12

Provided 24X7 application support in high-availability production environment for external & internal applications.

Supported 500 million daily internet traffic requests for click throughs, impressions via Amazon EC2, UltraDNS, LoadBalancers.

Setup Amazon AWS Cloud including Route 53 DNS, failover between multiregion, VPC, EC2, CloudFront, CDN, Azure cloud

Managed SonicWall/pFsense firewalls for NAT/PAT and firewall polices. Configured mobile phones for Microsoft Exchange.

Installed, maintained and troubleshoot VMWare ESXi virtual servers for development and production environments.

Maintained Active Directory/Group Policy environment, added, modified and removed AD accounts/objects, printers, permissions.

Managed Dell EMC SAN and NAS infrastructure, storage RAID groups and arrays and managed Google apps services

Utilized various Unix utilities (ps, pgrep, dig, nslookup, traceroute, tcpdump, netstat, snoop, rsync, scp, telnet) to resolve issues.

Managed data backup through rsync, scp, FTP, SSH, mysqldump. Configured & verified data replication in a failover clustered env.

Performed daily OS & application upgrades, maintenance, audits, resolved (24X7X365) mission-critical problems under pressure.

Managed internal Avaya IP office telephony systems, setup extensions, moves, hosted Exchange email service provider.

Redhat/Linux installation and configuration and compilation of open source free software utilities and LAMP packages.

DDI/System & Network Administration/Engineering (Consultant) CISCO Systems/Verizon Inc.

US/UK/Global 05/10-05/11

Responsible for installation, configuration, troubleshooting and management of HYPERLINK

"<http://www.cisco.com/web/strategy/sports/StadiumVision.html>" [CISCO StadiumVision IPTV](#) solution

application at large national stadium venues including: NY Yankees, NJ New Meadowlands, Boston TD

Garden/Celtics, Miami Dolphins, Dallas Cowboys, Kansas City Royals, Toronto BlueJays, Minnesota Twins, UK

Millenium. Worked with XML, HTML, JSP pages to parse config files.

Built, integrated, managed & troubleshooted internetworking and software mission critical systems to ensure 100% uptime for applications.

Installed & deployed LINUX based servers to host BIND/CNR DNS, DHCP, MySQL databases, Apache, Tomcat, Java StadiumVision IPTV applications, SAN EMC Clarrion, Fibre Channel, HBA, NaviSphere, PowerPath, SANsurfer, WWN, DiskPools, VirtualDisks, Snapshot

Configured hundreds of class C and classless network Scopes, Policies, DHCP Options (3-Routers, 6-Domain Name Servers, 15-Domain Name, 44-Netbios/WINS Servers, 51-DHCP Lease Time, 150-CUCM TFTP, IP Helpers, etc) for thousands of DHCP clients including workstations, VoIP phones, WiFi devices, PoS systems, DMP IPTV devices, Guest Networks in ConnectedStadium infrastructure.

Registered and created forward and reverse DNS Zones and records including sub-domains, A, AAAA, NS, MX, SOA, CNAME, reverse in.addr-arpa., PTR, etc). Manages authoritative DNS servers and zone transfers/replication in a master/slave environment and delegation.

Wrote UNIX shell and bash scripts to automate installation of DMP's with new MIB settings via scheduled cron jobs. Built ESX environment

Performed MySQL dumps and rsync the databases via .sh shell scripts with cronjob scheduler. Debugged errors and events through logs.

Utilized various Unix based utilities (ps, pgrep, dig, nslookup, traceroute, tcpdump, netstat, snoop, rsync, scp, telnet) to resolve system issues,

Managed data backup through rsync, scp, FTP, SSH, mysqldump. Configures and verifies data replication in a failover clustered environment.

Served as a customer facing engineer to resolve onsite or remotely StadiumVision implementation and technical issues 24/7. AD integration.

Wrote development and production code and improvement features to StadiumVision Application to ease functionality and management.

Responded to phone calls, e-mail and personal requests for technical support and provided 24/7 on call OS and application support.

Interacted with various business groups including engineering, development, quality assurance, & most importantly the client on a daily basis.

Infrastructure Engineer/DDI Ripple6 Inc. a division of Gannett Company NYC

06/08-02/09

Responsible for hosted Amazon EC Cloud, Rackspace, and external network services (Websites, E-mail, DNS) for social network websites.

Provided 24x7 application support in a high-availability production hosting environment in different geographical locations via SCOM.

Configured DNS records including SOA, CNAME, A, PTR, MX, NS, AAAA, LOC, TXT records. Master/Slave configuration. AXFR/IXFR dig and nslookup querying. TCP/UDP for multi-location environment. VoIP configuration extensions, forwarding, voicemail.

Installed, configures, maintains and troubleshoots multiple versions UNIX (Redhat Enterprise, Solaris) and Windows 2008/2003 systems with web applications (Tomcat, Apache, Solar, IIS 6/7) and SAN iSCSI/FC HBA Storage Area Networks and SCOM Worked with XML, HTML, JSP pages

Maintained/configured File, Print, IIS Web, Exchange Email, Linux, Apache, Windows 2003/2008, Microsoft SQL, SonicWall, hosted VoIP, RHEL 7

Configured network routing, DNS, DHCP, SMTP, HTTP, shell scripting, VPN access, NTFS permission, print permissions, AD objects..

Established a secured DMZ zone for the review / demo of projects to Fortune 500 clients utilizing IIS, Apache, mod-ssl, cgi, WiKi, HTTP

Basic authentication and SSL. Builds & deploys version control packages to dev., stage and production environment.

Installed and maintains public DNS, postfix, Exchange & Blackberry email infrastructure and maintains FTP, JAVA, HTTP and DB servers, SCOM, RED HAT Linux

Managed/engineered TCP networks, load balancers, gigabit switches, firewall, WiFi. QuickBooks and GoldMine setup/management.

Administrated and configured DNS, Web, IIS, Apache, FTP, VSFTPD, log, Nagios servers running on different operating systems.

Managed SonicWall, Netopia, Dell/CISCO Catalyst switches, routers and firewalls and setup gigabit interoffice connectivity and WiFi N.

Wrote scripts in shell/batch, PERL, JAVA, VB languages to automate DNS, network and system monitoring, backups and data transferring and data manipulation. Firewall PIX/ASA configuration for Port Forwarding, Access Port Policies, NAT, PAT. Hamachi VPN Setup.

Created technical documentation and diagrams for management & development teams. Managed disaster recovery strategy. XML parsing.

Managed and configured VoIP Polycom telephones and Avaya IP Office, Ethernet CAT5/CAT6 cabling between network devices.

Created virtual IIS 7.0 / 6.0 Apache sites including ASP and .NET applications & performed daily OS & application level upgrades, patches, maintenance & audits. Configuration, management and backup of company's files. Relayed email via Sendmail in/out bound SMTP traffic.

Planed and implemented system security policy, to include firewalls, host and client access, file permissions, and user accounts.

Performed daily OS & application level administration upgrades, maintenance, daily backup and restore utilizing Vertitas Backup.

Configured, implemented, operated and maintained core systems including Active Directory 2003/2008 ESX/Xen, MS Exchange 2003/2010

Maintained software and hardware for the server infrastructure running on Windows Server platform; support and maintain Active Directory

Network Specialist (Consultant) Ernst & Young, LLP Secaucus, NJ / Global

06/07-06/08

Responsible for E&Y's enterprise wide and global DNS, DHCP and Active Directory infrastructure supporting 130,000+ network users

Migrated 150+ DNS zones and internet domains to new global data center and integrated DNS zones across different organizational dept.

Provided 24X7 application support in a high-availability production hosting environment for external and internal applications.

Analyzed & troubleshoots DNS, DHCP, AD through logs files, sniffer packet captures. Administrated servers worldwide via SSH/RDC

External/internal ey.com; 2,500+ internet domains daily maintenance & administration. Updated 200+ DNS zones files with MarkMonitor Network Solution with new authoritative servers. Setup application load balancing via round-robin DNS and CISCO Global Site Selector.

Configured load balancing via CISCO GSS appliances via VIP proximity load balancing algorithm, round-robin, least connections.

Administered Unix DNS zone records (PTR, A, MX, NS, TXT, SOA) 250+ production & 2,000+ registered reserved internet domains.

Setup of MX, PTR, NS, A, CNAME, forwarders, exceptions and root hints records and setup delegation child zones in hetro environment

DHCP/STATIC addresses allocation management for hosts, servers & web sites. Intermediate work on Websphere Application Server.

Installed UNIX SUN servers running SOLARIS CISCO CNR & BIND, Infoblox. Upgraded CICO CNR version 5.5 to 6.3.

Installs new WINDOWS 2003 machines with Active Directory Integrated DNS System, Solaris 9, 10, CISCO CNR 6.3 and BIND 9.4, RHEL Red Hat Enterprise

Performed daily OS & application upgrades, maintenance, audits, resolved (24X7X365) mission-critical problems under time pressure.

UNIX Administration of user accounts, NFS, chmod, chown, processes and daemons. Troubleshoot DNS resolution and nameserver authority problems, TLD Roots, etc. Hardware racking Sun Fire V210, V240, Ultra 5, Ultra 10, Netra T1, Dell PowerEdge, HP Proliant.

Wrote PERL and SHELL scripts to automate cron jobs, menus, backup jobs and reports for administrators and management.

Maintained 1200+ DHCP scopes and created new scopes, polices for each scope: DNS, Router, TFTP, WINS, VoIP, DDNS, Subnetmask.

Vendor liaison with Cisco/Sun for software application upgrades, repair & maintenance. Network documentation Visio and Excel.

Utilized network tools nslookup, dig, traceroute, ipconfig /renew /release snoop and ping. Used tar zip utility to backup DNS zone files.

Interacted with various business groups including engineering, development, quality assurance, and user acceptance. ITIL framework.

Supported IBM Netfinity, Compaq Proliant, Dell PowerEdge, and Sun Systems; documentation, maintenance, upgrades and replacements.

Coordinated all aspects relating to Internet, compliance RFC / IETF / CERT and migration of DNS thorough global network registrars.

Proposed architecture designs, developed and implemented critical business systems and performed daily automated tape backup.

Interacted with various business groups including engineering, development, quality assurance, applications owners and end clients.

Created ITIL technical documentation as required for all network, application and system related changes and updates.

Understand security aspects and enforce company security policies and other compliance requirements for business environment.

HOBBIES

Downhill Skiing, Biking, Violin/Cello Playing, Charity Work, Internet Engineering, Investing, Reading, Camping

PROFESSIONAL AFFILIATION

IEEE, ACM, Internet Engineering Task Force, Internet SOCIety, American Red Cross, NY Academy of Sciences, National Dean's List

AVAILABILITY

As soon as possible and/or as soon as required. US Citizen.

REFERENCES

Furnished upon request.