Yakov Shkolnik

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**PROFESSIONAL SUMMARY**

* Highly accomplished Network and Security engineer with 17+ years of experience designing, deploying, migrating and supporting critical multi-site redundant datacenters.
* Expert at leading complex multistage projects.
* Proven ability to manage all phases of project life: inception, documentation, procurement, deployment, and turnover for monitoring and administration.
* Exceptional ability to analyze, communicate and document complex technical information.
* Committed to helping organizations achieve maximum benefit from their IT infrastructure investment, through meticulous system administration, thorough vendor negotiations, solid user training and on time/on budget project deliveries.

**SKILLS SUMMARY**

**Hardware:** Cisco Routers/ASA/Switches/Nexus/Wireless, Checkpoint, Imperva,

A10 Networks, RSA SecureID, F5 BigIP, Nokia Security, Juniper Net, Firepower FP2140, FP4110, Juniper SA2500, Juniper SRX300

**Platforms:** Windows 2012/2008/2003 server, VMware, Windows 10/8/7/XP, MacOS, Linux, Unix and Novell

**TECHNICAL EXPERIENCE**

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| **Network and Security Lead Engineer** | **May 2015 – Present** |
| **Vindicia/ AMDOCS Vindicia Acquired by Amdocs** | **San Mateo, CA** |

* Design and build from ground up New Vindicia Office Data Centers and integrated with Amdocs (Israel DC) used DMVPN to support connectivity.
* Design and build Cisco Nexus 9300 switches Spine/Leaf Architecture, use VXLAN to microsegment network
* Use Python to automate management of Cisco hardware.
* Use Cisco DCNM for building Spine/ Leaf Architecture.
* Support 3 DC in San Jose (Data Pipe), Las Vegas (Switch), Raging Wire.
* Update 12 pairs of F5 LTM from 10.2.4 to 12.1.2 , used iRules to manage traffic.
* Create Cloud based network in Azure cloud using ASAv as entry point using certificate based and Duo three factor authentication.
* Create Cloud based network in AWS cloud utilizing Transit Gateway (TGW) for interconnection.
* Build Cisco ASA5525 based clustering for increasing throughput.
* Use Device42 and Visio to reflect network infrastructure.
* Use HP c7000 chassis with HP Virtual Connect network card to build 40g and 10G network to connect VM to the core network.
* Assure that company is compliant with PCI DSS audits based on Amdocs security policies.
* Participate in Building new DC in Sacramento (Raging Wire).
* VMWare NSX network.

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| **Network and Security Lead Engineer** | **October 2013 – April 2015** |
| **OPSWAT** | **San Francisco, CA** |

* Successfully eliminated single point of failure in production and created highly scalable network infrastructure.
* Worked closely with Development and Help Desk departments on assisting customers to process and troubleshoot transaction traffic.
* Performed and scheduled preventative maintenance and periodic high availability testing on all network equipment.
* Worked together with AWS, DyNect, Godaddy managed DNS services to provide 100 % availability to our hosted services.
* Effectively met Network SLA uptimes for all production and non-production network environments.
* Designed and built from ground up 2 Data centers.
* Build and supported offices in Hungary, Romania, Vietnam, San Francisco.
* Designed and deployed new architecture for the NAC lab Infrastructure to create network to host different vendors NAC product.
* Installed and configured NAC products:
  + Cisco ISE, Cisco PxGrid, Juniper IC4500, BlueCat IPAM,
  + ForeScout CouterAct, SonicWall, Citrix NetScale, Fujitsu iNetSec
* Worked closely with Developers to integrate OPSWAT Gears product with NAC solutions that provide manageability of endpoints and networks, and that help organizations protect against zero day attacks by using multiple antivirus engine scanning and file filtering.
* Build and supported offices in Hungary, Romania, Vietnam, San Francisco.
* Load balanced web servers for better performance and redundancy.
* Supported hosted ShoreTel voice service and local Juniper SA2500 switches.
* Successfully designed highly scalable secure and redundant network environment utilizing most current hardware and software revisions from leading vendors.
* Consistently commended by company executives, colleagues, and peers for strong work ethic and ability to finish extremely complex jobs on schedule.

**Environment:** Cisco ASA, Catalyst 6500, Catalyst 4500, Nexus 5548UP, Nexus 2000, A10 Load Balancers, Barracuda, Palo Alto networks, VoIP, Cisco Routers, VMware, Net gear, Windows 2008/2003, Exchange 2007/2003, DFS, DNS, WINS, DHCP, VPN, WSUS

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| **Sr. Network and Security Engineer** | **March 2000 – July 2013** |
| **Merchant e-Solutions** | **Redwood, CA** |

* Build network that eliminate single point of failure in production and created highly scalable network infrastructure.
* Worked closely with Sales and Help Desk departments on assisting customers to process and troubleshoot transaction traffic.
* Worked together with Visa, Master Card, American Express to establish network connectivity between our customers and Card Association environments.
* Effectively met Network SLA uptimes for all production and non-production network environments.
* Designed and built from ground up 4 Data centers.
* Designed and deployed new architecture for Virtual Terminal Infrastructure to accept Credit Card payments via mobile devices.
* Assured that company is compliant with SAS70 and PCI DSS audits.
* Designed and implemented IDS/IPS infrastructure.
* Installed and Implemented Cisco TelePresence in multiple offices.
* Load balanced web servers for better performance and redundancy.
* Implemented UltraDNS between Data Centers to balance incoming traffic via DNS and as a protection against DDOS attack.
* Configured and redirected all Internet traffic to Zscaler for control of SPAM and User Awareness.
* Successfully designed highly scalable secure and redundant network environment utilizing most current hardware and software revisions from leading vendors.
* Consistently commended by company executives, colleagues, and peers for strong work ethic and ability to finish extremely complex jobs on schedule.

**Environment:** Cisco ASA, Catalyst 6500, Nexus 5548UP, Nexus 2000, A10 Load Balancers, F5 BigIP, VoIP, Cisco Router, Sophos, VMware, Windows 2008/2003, Exchange 2007/2003, Blackberry Enterprise Server, DFS, DNS, WINS, DHCP, VPN, WSUS

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| **Network Engineer- Team Lead** | **January 1998 – March 2000** |
| **Vanstar, Inc.** | **Concord, CA** |

* Efficiently managed, monitored and supported IT infrastructure, including LAN/WAN wiring, switches, routers, Internet connectivity, telecommunications, remote access and database systems.
* Designed IT infrastructure and carried out installation and maintenance of Windows NT and Novell based networks
* Established security policies, access permissions, file services, naming conventions.
* Configured DNS, WINS & DHCP Servers; set up routers, switches and hubs.
* Upgraded company network switches from CatOS to IOS.
* Provided troubleshooting, maintenance and customer support.
* Monitored network to analyze and optimize performance.
* Documented cases and solutions in the knowledgebase.
* Smoothly upgraded network from 3Com to Cisco Equipment.
* Successfully implemented new security policies throughout all offices.
* Utilized global best practices methodologies to deliver quality projects on time and within budget.

**Environment:** Windows 2000/NT, DNS, WINS, DHCP, VPN, HP, Dell, Bay Networks, Cisco Routers, 3Com Hubs

**EDUCATION**

M.S., Computer Information Systems, Electro-Technical University, Kishinev, Moldova

**CERTIFICATIONS AND TRAINING**

* CCIE, Cisco Certified Routing and Switching (written exam)
* CCIE, Cisco Certified Security (written exam)
* CCNP, Cisco Certified Network Professional
* CCVP, Cisco Certified Voice Professional
* VCP, VMware Certified Professional
* CCSE, Check Point Certified Engineer
* CCSA, Check Point Certified Administrator
* MCSE, Microsoft Certified Solution Expert: Server Infrastructure
* MCSE, Microsoft Certified Solution Expert: Private Cloud
* CNE, Certified Novell Engineer
* CAN, Certified Novell Administrator
* PMP – Project Management Professional
* Virtualization and Private Cloud Security (SANS)
* Cutting-Edge Hacking Techniques (SANS)
* Implementing Cisco Unified Wireless Networking Essentials
* CHP-Professional Hacking Boot Camp
* RSA- SecureID Installation and Configuration
* RSA- SecureID Administration
* VMWare NSX