# Alex Sulsky

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## BRIEF

Information security architect with experience building, protecting and automating resilient, distributed systems.

## EXPERIENCE

**Macquarie Bank Ltd.**                                                    May, 2015 - April, 2017

*Network Security Engineer*                                                          *Houston, TX*

- Worked with internal threat researchers to contain discovered exploits via custom rule-sets in McAfee Intrushield IPS.

- Managed Checkpoint, Palo Alto firewalls and Aruba ClearPass NAC.

- Rolled out 802.1x configuration to Cisco switches and ASA firewalls.

- Managed AWS VCP

- Built out and supported private & public cloud web and email delivery systems based on F5 LTM GTM load balancing proxies.

- Final level of support for F5 load balancers and proxies as well as F5's APM network access control suite.

- Built out monitoring and reporting using Splunk and other off-the shelf systems, e.g. SiteScope.

- Built a web app to report on F5 LTM configuration and status using F5's iControl API.

**Texas Children's Hospital**                                             October, 2011 - May, 2015

*Data Security Architect*                                                            *Houston, TX*

- Responsible for developing applications, systems & network security solutions from concept to implementation.

- Enacted security standards, advised leadership and technical staff on security risks and best practices.

- Served on the "Architectural Review Committee" to approve the design of proposed IT systems, create technical standards and advise policy.

- Deployed and operated Checkpoint and Cisco ASA firewalls

- Deployed and operated Sourcefire IPS and Motorola Wifi IPS.

- Deployed and managed PGP for drive encryption.

- Ran Web Application Vulnerability Assessment using Rapid 7's Nexpose

- Built a DDOS mitigation scheme by peering with ISPs and incorporating Arbor's Pravail APS.

- Developed baseline security configurations for MS Windows 7, Linux & AIX systems along with popular applications like MS Office, Internet Explorer & Firefox applications on NIST and CIS Benchmarks.

- Set up Symantec's Control & Compliance Suite to audit system compliance to configuration standards.

- Set up a meaningful risk assessment and reporting practice through the integration of Symantec's CCS with Symantec's Data Leak Protection, Endpoint Protection, and Rapid 7's Nexpose vulnerability scan results.

- Operated BlueCoat forward proxies.

- Set up multi-factor authentication system using RSA's Adaptive Authentication.

- Set up phishing campaigns using Rapid 7's Metasploit.

- Built an application delivery system around F5's BIG-IP technologies using Global and Local Traffic Managers.

- Installed and configured F5's SAML-capable proxy to allow SSO with third-party applications.

- Protected web applications with F5's Applications Security Manager and SourceFire IPS.

**Texas Children's Hospital**  May, 2011 - October, 2011
*Enterprise Systems Engineer - Contract*  *Houston, TX*

- Worked on improving Microsoft Active Directory Services, PKI, and Microsoft Exchange systems.

- Integrated Wifi authentication with Active Directory through RADIUS & 802.1x capable Cisco APs.

- Automated common administrative tasks through VBscript and PowerShell.

**Alvarez & Marsal**  February, 2007 - November, 2010
*Systems Engineer*  *New York, NY*

- Subject matter expert for Microsoft AD, Exchange messaging and Windows Server.

- Lead upgrade to multi site, high availability Exchange 2007 messaging system based on EMC SAN and VMwares ESX virtualization technologies. Spam filtering by Messagelabs.

- Put in a number encryption solutions for stored data to meet internal, and client requirements (PGP, Bitlocker, EFS, Safend)

- Created detailed continuity and disaster recovery plans for messaging, DNS and web services.

- Minimized disaster recovery times by integrating VMWare's Site Recovery Manager with EMC Clarion snapshot and mirroring services.

- Built data center storage systems for Exchange, VMWare, file share, and backup around EMC Clariion.

- Built branch office storage systems around FreeNAS, and HP StorageWorks.

**Katzenbach Partners LLC**  December, 2002 - September, 2006
*Systems & Networking Lead*  *New York, NY*

- Configured most servers and networked devices. Servers were mostly Windows, but included a VMWare environment running Debian and CentOS Linux. Network was Cisco based.

- Deployed and managed SonicWall/NetStructure, and Cisco PIX firewalls.

- Designed a highly available, multi-office WAN through dedicated inter-office frame relay links, backed by IPSec VPNs over the Internet around Cisco routers.

- Two Active Directory/Exchange upgrades. The first was from Windows NT and Exchange 5.5 to 2000. Later upgraded to 2003 AD/Exchange.

- Messaging redesign and Microsoft Exchange 2007 migration. The design featured a resilient multi front-end, multi backend architecture. Security based on NSA requirements and Microsoft Exchange Hardening guidance.

- Designed a multi-homed, WAN consisting of a meshed VPN and leased lines

- Implemented edge router failover using dual ISPs, BGP and HSRP groups. This allowed quick failover for a 99.99 service uptime.

- Deployed Cisco PIX based remote user VPN.

- Deployed Cisco AP based Wireless: Dedicated Wireless LANs. Active Directory based 802.1x AAA (PEAP - MSCHAP v2.) Customized GPOs allowed for automatic laptop provisioning.

- Automated desktop deployment using Microsoft's Remote Installation Server and distributed filesystem storage.

- LAN redesign to eliminate loops and broadcast storms

- Desktop deployment using a RIS server with DFS based storage repository and a Group Policy based software distribution and configuration system.

- Hired, trained IT Staff

- Designed on-premise datacenter, hosted infrastructure including data, management and storage networks around Cisco networking and HP servers and storage and VMWare hypervisor.

- Led all MS Active Directory & MS Exchange-related work.

- Secured systems, firewalls, and networking equipment using NSA, NIST, and vendor guidelines.

- Set up detailed network monitoring.

**Comtex**                                                                 1997 - 2001
*Desktop, Server Support*                                              *New York, NY*

## CERTIFICATIONS

CISSP #394506 (in process of recertification)

Microsoft Certified Professional #6310169

Palo Alto Accredited Configuration Engineer

## EDUCATION

**Digital Crafts**                              September, 2017 - January, 2018
*Student*                                                                *Houston, TX*

Accelerated School for Software Engineering - Full Stack Immersive Program

- Introduced to application development using popular JavaScript and Python frameworks such as NodeJS, jQuery, React, Express, Flask, Tornado.

- Worked with Postgresql and Firebase databases.

- DevOps with AWS, Heroku, Dokku and Git.

- Built and deployed web applications using the above tools.

- GitHub: `https://github.com/xanlex/`

**Brooklyn College, CUNY**                                              *June 2001*
B.S. in Computer Science (Incomplete)