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Jorge Luis Avelar

Senior Network & Security Consultant
(Architecture and Engineering)

20+ years of experience designing and deploying enterprise commercial and SMB network and data center projects based on Cisco, Juniper, and Microsoft technologies primarily. Security expertise encompasses assessments, remediation, firewall migrations, policy creation and consolidation, IPS/IDS, and design around Cisco, Palo Alto, Fortinet, and Checkpoint products. Prior experience in Microsoft LAN systems engineering and administration for Windows Enterprise Server, Active Directory, Exchange, and various Microsoft and 3rd party monitoring and management tools.

Roles have included technical project management, pre-sales, post sales, consulting, and IT operations for networks, data centers, and cyber security technologies.

PROFESSIONAL EXPERIENCE

Guess?, Inc.	Senior Network Engineer
Tyvak Nano Satellite Systems, Inc.	Senior Network/Security Engineer
WWT/Kaiser Permanente	Senior Consulting Network Engineer
Mail2World, Inc.	Network Manager/Architect/Engineer
KAPSIS Technical Services	Senior Consulting Services Engineer
YP Marketing Solutions	Senior Network Engineer
The Walt Disney Company	Network Architect
BreitBurn Energy Partners	Systems/Network Architect
Nexus IS	Solution Architect
Equator Financial Solutions	Senior Network Engineer
Cisco Systems, Inc./JPMorgan Chase	Network Consulting Engineer
Westfield Corporation	Senior Network Engineer
Anschutz Entertainment Group	Senior Network Engineer/Manager

TECHNICAL EXPERTISE SUMMARY

Hardware: Cisco routers 26xx/28xx/29xx/36xx/37xx/38xx/39xx/65xx/200VXRs/ASR1/9000, Layer 2/3 Cisco Catalyst Switches 29xx/35xx/37xx/45xx/65xx, Cisco Nexus 2K/5K/6K/7K/9K, Cisco Firepower 4100 w/IPS, Cisco PIX firewalls, Cisco ASA 5505/5515-X/5510/5540/ 5585-X/SSP-10-60, VPN Concentrators 3005 - 3030, CSS 1150x, F5 LTM 3600 /3900, Juniper VPN SA4500, Palo Alto PA-5220/50/60/80 Firewall Appliances, Packeteer PacketShaper Appliances, Nortel Passport 8600 Routing Switches, most HP/Compaq Proliant Servers, Blade Servers, SCSI, Tape Backup Libraries, RAID Controllers, T1/T3/DS3/OC3, ATM IMA, ISDN

Software: Cisco Prime, ASDM, IXIA, xStream Director, NetMRI, Sniffer Pro, Ethereal, WireShark, Packet Analyzer 4.0, Statseeker Network Monitor, Kiwi Syslog, MRTG, What's Up Gold Pro, Cisco Secure ACS, SolarWinds Orion, RedHat Linux v6 - 9, RHE v2.1 - 4.0, Putty, Secure CRT, Adonis DNS Appliance, DameWare Utilities, VMware ESXi, SolarWinds NPM, WebSense, SurfControl, Citrix Secure Gateway, HP Openview, ManageX, Network Node Manager, BindView, Windows

CERTIFICATIONS
Cisco Certified Network Professional CCNP
CheckPoint Certified Security Expert CCSE
Microsoft Certified Systems Engineer MCSE
Microsoft Certified Solutions Expert MCT
CompTIA A+ Certification

KEY SKILLS
Network Architecture, Design, Configuration, Deployment
Enterprise Routing and Switching
Network Security
CyberSecurity
Data Center
Cloud Architecture and Design
MPLS Configuration
Enterprise Wireless
NIST Security Framework
SOX Compliance
Change Management
Configuration Management
Troubleshooting Skills
Root Cause Analysis
Capacity Planning
Network Documentation
Presentation and People Skills
Technical Project Management
Bilingual – Spanish

INDUSTRIES
VAR/Professional Services
Information Technology
Banking/Financial
Retail
Aviation/Aerospace
Hospital & Health Care
Marketing & Advertising
Entertainment
Oil & Energy

PROFILE

- ✓ Extensive experience with Cisco Firepower, ASA, Fortinet Fortigate, Checkpoint, Palo Alto firewalls, and VPN concentrators.
- ✓ Firewall, router, and server security penetration and vulnerability testing using popular Linux tools such as NMAP.
- ✓ Prior experience with Checkpoint firewall, SMTP and WebSense integration.
- ✓ Demonstrated knowledge and experience implementing network security, firewall, and, DMZ/perimeter solutions.
- ✓ Extensive experience with the following protocols: TCP/IP Protocol Suite, IPv6, EIGRP, OSPF, BGP, RIPv2, HSRP/VRRP/GLBP, ISDN, Frame Relay, PPP, IPsec, 3DES/AES, Radius, TACACS+, NAT, and PAT.
- ✓ Hands-on experience with data networks, servers, LAN/WAN hardware, physical layer infrastructure, and security.
- ✓ RedHat Linux experience and Active Directory design and implementation.
- ✓ Extensive experience installing, configuring, and troubleshooting Exchange Server, OWA, IIS, Proxy/ISA, DHCP, WINS, DNS, RAS, Radius, VPN, and File and Print servers.
- ✓ Able to interface and communicate with all personnel levels, including senior management.
- ✓ In depth knowledge of Cisco WSA, ESA, Cisco AMP, Cisco SMA, and FMC.

INDUSTRY HIGHLIGHTS

Professional Services	As a solution architect, was responsible for full lifecycle client engagement which included presales, planning, design, deployment, documentation, and knowledge transfer for the solution. Developed and implemented the technical architecture, and physical, and logical design documents for medium to large client network projects. Authored Deployment plans and network UAT plans while adhering to existing processes and methodologies.
Oil & Energy	Led a large MPLS implementation. Configured and deployed a robust integration of SolarWinds Orion NPM with Network, Systems, Cyber Security, Database, Microsoft System Center, and custom Topology Maps. Led a QoS policy deployment to support SIP, VoIP, Microsoft Lync/Business Skype. NetApp Data Replication. Exchange Server Replication for highly available and sensitive corporate applications.
Healthcare	Led one full migration for a pair of Cisco Nexus 7010 Core switches to another pair of Cisco Nexus 9508 switches in non-ACI mode. Acted as the lead implementation engineer. Successfully migrated 4 Cisco 9000 series ASR, 4 IPS 6100 TippingPoint, 2 Palo Alto firewalls, and multiple sets of Cisco Nexus 7010/9508 Aggregation switches, Cisco Nexus 6548/5548 switches, and Cisco FEX 2248/2232 as part of a team. During this migration, led the planning and migration of bypassing a pair of Nexus 5000 DMZ switches that were decommissioned.
Technology	Spearheaded a full re-design of existing data center infrastructure that included multiple ASR 1000 Internet routers, Nexus 9000 Core routers/switches, Nexus FEX 2348TQ-E, virtualization of BIG IP F5 load balancers, Firepower 4100 Firewall/IPS, and multiple 3850 DMZ switches. Coauthored very detailed and complete Migration plan to ensure zero downtime to the PROD environment. Deployed several ASA 5500-X firewalls to support new VPN SSL clientless and AnyConnect VPN client with Duo Dual Factor connections for the Data Centers and Corporate offices. Configured deployed Cisco Prime infrastructure and Firepower security services. Configured and deployed a NetApp 8200 storage cluster made up of 3 HA pairs, each HA pair made up of 2 controllers for a total of 6 nodes and a full 3 PB of storage capacity. All of this was used in a migration from EMC Isilon to NetApp.
Entertainment	Provided technology strategy and management, centralized engineering, IT architecture, and technical operations for The Walt Disney Company, virtual worlds, and Disney.com, DisneyFamily.com, ABC.com and ESPN.com. DTSS provided services in both platform Engineering and Web Operations. Key responsibilities included development of network design plans and the development of reference architectures and standards for secure, high-performance networking across the enterprise. Responsible for understanding and interpreting global business and technical requirements in order to apply advanced network technologies for global consumption.