

SEEKING PRINCIPAL/SENIOR ARCHITECT POSITION IN INFORMATION TECHNOLOGY

SUMMARY OF QUALIFICATIONS

Senior-level Principal Network Architect with various network device supporting skills & people managerial skills based on 22+ years of experience providing technical assistance to business professionals. Demonstrated the ability to integrate computer skills, customer support experience, and related education to exceed technical, business, and customer requirements. Skilled at troubleshooting and fixing problems while minimizing client's stress levels. Professionally certified by Cisco, CompTIA and Microsoft. Fluent in Korean.

TECHNICAL SKILLS

- Citrix NetScaler, BigIP F5 LTM/GTM
- Cisco ASA, Juniper NetScreen
- Cisco FirePOWER & FMC
- Cisco WAAS, Riverbed
- Cisco Tetration
- Palo Alto FWs
- Fortinet FortiGate FWs
- Cisco AMP
- VMware/NSX
- LAN/VLAN/WAN Configuration
- RIP/EIGRP/OSPF/BGP/HSRP/GLBP
- Cisco WSA/ESA, ISE
- Cisco ACI/SDN
- Cisco SD-ACCESS
- Palo Alto Panorama
- Fortinet FortiNAC
- Cisco Wireless & Meraki
- Sophos XG FWs
- IPsec VPN, VRF-Lite
- QoS, MPLS, DMVPN
- DHCP/DNS
- SD-WAN
- NDFC/VxLAN
- Palo Alto TRAPS
- Fortinet FortiManager
- Cisco AnyConnect
- Cumulus Networks/NVDIA

TECHNICAL TRAINING & ACHIEVED CERTIFICATIONS

New Horizons Computer Learning Centers of NY & Various Vendor/Institution Trainings

2004-2022

- Cisco Certified Internetwork Expert (Triple (3x) CCIE#25513 – Enterprise Infrastructure [Formally known as R&S], SP, DC)
- Cisco Certified Internetwork Professional (CCIP)
- Cisco Certified Design Associate/Professional (CCDA&CCDP)
- Cisco Certified Network Associate Wireless (CCNA Wireless)
- Microsoft Certified Azure Solutions Architect Expert
- AWS Certified Cloud Practitioner (ACCP)
- Cisco Security Fire Jumper Stage 4 - Cloud, Web, Email Security, Visibility & Enforcement
- Cisco Certified Specialist - Enterprise Advanced Infrastructure Implementation
- Cisco Certified Specialist - Enterprise Data Center Core
- Cisco Certified Specialist - Enterprise Design
- Cisco Express Foundation Field Specialist (CEFFS)
- Cisco Enterprise Networks Architecture SE Representative
- Cisco Lifecycle Services for Advanced Unified Communications
- Cisco Black Belt Certified Pre/Post Architect (Multiple Domains)
- Silver Peak SDWAN eXpert (SPSX)
- Network Security Expert (NSE) 1|2|3 [FortiADC | FortiAnalyzer | FortiClient | FortiNAC]
- Palo Alto Networks-accredited Systems Engineer (PSE) – Platform Associate
- MS Certified Systems Administrator/Professional (MCSA/MCP)
- CompTIA A+ Certified Technician (A+)
- CompTIA Security+ Certified Technician (Security+)
- Cisco Certified Network Associate/Professional (CCNA&CCNP)
- Cisco Certified Network Associate Security (CCNA Security)
- Cisco Certified Entry Networking Technician (CCENT)
- Microsoft Certified Azure Administrator Associate
- Cisco Security Fire Jumper Stage 5 – Network Security
- Cisco Certified Specialist - Enterprise Core
- Cisco Certified Specialist – Service Provider Core
- Cisco Express Foundation Field Engineer Representative
- Cisco Core and WAN Systems Engineer Representative
- Cisco Shogun Program [Shogun]
- Versa Networks Certified SD-WAN Expert (VNCSX)
- Silver Peak SDWAN Professional (SPSP)
- Brocade Certified Network Engineer (BCNE)
- CompTIA Network+ Certified Technician (Network+)
- NYS IT Professional School Teaching Permit

ACADEMIC BACKGROUND

B.S. in Financial Economics

SUNY - Binghamton University

Binghamton, NY

1997-2001

- Dean's List Award: Fall of 1997 & 1998

CERTIFICATIONS IN PROGRESS

Certificate in Accounting

New York University

New York, NY

Attending



PROFESSIONAL EXPERIENCE

Chief Architect **Dikaios IT Consulting Group** **NYC, NY** **01/2023-Current**

- Acted as a Chief Infrastructure Architect for the following Fortune 100 clients. State of NY/OTI/DoIT, OneZero Trading, AIG insurance, Takeda Pharmaceutical.
- 24+ years of broad consulting experience with various industries in a multi-vertical/multi-faceted environment.
- Led the L2/L3 WAN migration project from Cisco backbone to CIENA for City-wide network.
- Participated the design of NSX deployment and provided feedback of the NG architecture.
- Troubleshooting: TCP/IP, DNS, DHCP, HSRP, Layer 2 Technologies: VSS, VPC, STP, SPAN, Layer 3 Technologies: NDFC VxLAN Multi-Site, QoS, EIGRP/ISIS/OSPF/BGP, Multicast
- Experienced Automation Skillset: DevNET, Ansible, Restful API, POSTMAN scripting.
- SDN Technologies: Cisco NDO/NDFC/Catalyst Dashboard. Arista CloudVision.
- Experience with the following: Cisco routing and switching, Load Balancers, TACACS+/Radius, Nexus, Palo Alto/Fortinet firewall.
- Architecture Experience with Amazon AWS/Microsoft Azure environment
- Strong team player with leadership demonstrating customer focus; builds strong customer relationships; creates processes with customer viewpoint; partners with customers to help shape their future initiatives.
- Proven record of a strong analytical and problem-solving skills - communicates in a clear and succinct manner and effectively evaluates information/data to make decisions; anticipates obstacles and develops plans to resolve; creates actionable strategies and operational plans.

Chief Technologist [SDN/Cloud Practice Lead] **Continental Resources** **Somerset, NJ** **02/2017-01/23**

- Leading the SDN/Cloud practice with multi-vendor SDN Solutions such as Cisco ACI/SD-WAN & VMware NSX.
- Built large-scale cloud infrastructure with industry-leading public-cloud platforms such as AWS/Azure/GCP.
- Designed/Deployed SASE/SSE/Cisco Viptela based multi-cloud architecture for one of the largest global financial company with 2500+ locations.
- Acting as a SME for any SD-related topic within the organization which includes SASE/SSE/SD-WAN, SD-Access and SDN.
- Designing the solutions and providing architectures & roadmaps for CXOs while fulfilling their CAPEX/OPEX requirement.
- Providing thought leadership, assess client current state, and translate best-practice methods to achieve future state SDN, Zero-Trust Network Access & Multi-Cloud architectures by deploying DNAC and Catalyst 9800 WLC.
- Proved ability to design and lead Proof of Concept Trials in the SDN, NFV & Multi-Cloud area.
- Architected Solutions which may include any of the following components. (Data Center Design, Cloud Networking, Systems Hardware, System Architecture, Virtualization, Systems Management, Security)
- Pre-Sales: Engaged with customers at various verticals, qualify opportunities, and develop SDN/Multi-cloud Focused solutions.
- Post-Sales: Developed networking strategies, cloud strategies, designs for private, hybrid and public cloud: Led technical implementation by working closely with customers/partners.
- Demonstrated ability to automate repetitive IT tasks through PowerShell and other tools such as Azure CLI & GitHub repository.
- Implemented architectural design with business use cases, trade-offs, and risk mitigation included.

Principal Consulting Architect [Practice Director] **Universal E-Business** **NYC, NY** **04/2016-02/2017**

- Drove P&L management for assigned practice delivery.
- Ensured practice revenue (\$40M+) and contribution margin attainment utilizing standard financial models.
- Led the assigned practice in delivering required services to meet client expectations.
- Managed practice operations to drive key performance indicators with a total of 9 PS resources. (6 in US & 3 in India)
- Developed new and incremental opportunities to address client needs through professional service engagements.
- Appropriately provided technical/financial guidance to clients.
- Participated in strategic planning initiatives with C-level clients with pre-defined BoM and SoW.
- Owned the delivery of service offerings to clients, ensuring engagements are completed on-time, to standard, within budget, and with a high level of client satisfaction.

- Oversaw multiple project delivery teams in the execution of defined methodologies to meet engagement requirements and expectations.
- Led assigned professional services consulting resources – both direct reports and delivery teams - to drive individual performance metrics and to develop required skillsets for assigned associates.
- Participated in the recruitment and on-boarding of new associates/engineers/architects.
- Collaborated with sales on forecasts, client business development, RFP responses, and development of cost estimates to ensure profitability of engagements.
- Contributed to business strategy and budgetary planning.
- Collaborated with business leadership to refine delivery strategy, enhance delivery methodology, ensure the ability to meet 4777 professional services demands, and achievement of line of business performance objectives.
- Built and maintained client C-Suite relationships.

Sr. Network Design Architect (Contract) Leviton Manufacturing Cedar Knolls, NJ 11/2014-03/2016

- Led the design of the new networking standards and security policies by working with cutting-edge mainstream technology such as Cisco SDN (Nexus 9000 series), ISE & Amazon VPC
- Created a new NetOps & Engineering standards by managing the budget of \$2M. Reviewing RFPs from various vendors.
- Acted as a SME to all Nexus Series (N2K/N5K/N7K) platforms in regards to any Data Center migration and projects. Provided training and guidance to any DC related technology, VPC, FCoE, OTV, Nexus 1000v, FabricPath (VXLAN).
- Designed & Deployed PoC Cisco UCS servers implementation for the backup Data Center fail-over purpose.
- Initiated total energy cost savings project requested by CIO in all Data Centers by implementing & testing Cisco's Energy-wise Management tool as a possible solution and presented it to the board of directors for a review.
- Oversee and provide direction for major security related projects by deploying Palo Alto firewalls series such as PA-3020s and PA-200s and physical security technologies including but not limited to; various card key access systems, alarm systems, and etc.
- Participate and provide leadership on various committees, councils, and process improvement teams, acting in an advisory capacity.
- Interprets security laws, regulations, and contract requirements; directs subordinates in enforcing compliance
- Deployed and maintained several Riverbed WAN Accelerators such as Steelhead 3520 and 1050M.
- Observed security conditions and conduct ongoing analysis of threats received from both external and internal sources, and advise administration on appropriate risk mitigation strategies

Sr. Network Consulting Architect (Contract) PSE&G Newark, NJ 05/2010-11/2014

- Led team of 4 network consultants/contractors (Architects/Sr. Network Engineer level) to deploy and set the migration strategy for the company-wide Network + Security principals/practices by managing an overall telecom budget of 3M.
- Designed & Architected full blown MPLS/DMVPN backbone core network with ASR and ISR G2 head-end routers.
- Supported deploying ASA5505, 5540 appliances to CIP related government regulated sites such as nuclear plant.
- Rolled out Verizon's NEMO/DMNR 4G wireless backup solution to the company's 300+ remote substation sites.
- Acted as a lead consultant in deploying any frame-relay WAN routers and constructed VRF-Lite driven SCADA network with true L3 isolation providing high level of security with a best practice guidelines.
- Designed & Architected all Nexus Series (N2K/N5K/N7K) platforms with multiple Data Center Migration projects
- Consulted and pre-engineered as a sole lead architect to deploy QoS for Avaya voice systems across 3 HQ sites along with 43 remote office locations to migrate their legacy phone systems over to the newly IP-based infrastructure.
- In charge of Satellite/3G/4G/Microwave radio R&D as a viable cost-effective backup solution to reduce the overall O&M expenditure.
- Led the project by managing 4 network/security engineers to deploy enterprise-level QoS configurations for 500+ remote frame-relay substation site routers.
- Provided several technical trainings for operation NOC engineers and held many technical presentations for IT directors & VPs.

Network Architect Savvis Communications, Corp. Jersey City, NJ 03/2008-05/2010

- Designed dual-core architecture for a full redundancy in the core/distribution layer of engaged clients and guided many customers to steer away from frame-relay based WAN connections to full-scale L3 IP/VPN MPLS WAN connectivity in order to achieve secure site-to-site L3 VPNs.

- Involved with pre/post sales practices (Proof reading SLAs, SoWs) of the company acting as a SME/Architect to design and led the team of 3 NOC Engineers + 4 hands-on engineers to support one of top 5 financial institutions of the industry. Worked with Merrill Lynch's Network Support Group (GTS) to coordinate branch migrations.
- Architected various financial clients' networks deploying IP/MPLS core-based backbone.
- Engineered IOS-based enhanced object tracking feature utilizing IP SLA monitor function in order to fulfill the client's strict SLA requirement.
- Provided high level technical support, including identifying and resolving problems on Cisco supported products for e-Commerce infrastructure. This included external routing and internal/intranet routing for DMZ servers.
- Configured and managed external & internal DNS appliances such as BigIP's F5 devices including GTM/LTMs.
- Pre-engineered redundant network infrastructure utilizing existing client's 10Gbps Ethernet fiber links to load-balance L2/3 traffics by deploying 802.1Q Etherchannel trunk links in the distribution layer along with Citrix's NetScaler DNS appliance.
- Designed & Implemented secure network infrastructures applying various IDS/IPS ACLs including dynamic/reflexive ACLs to hardware based firewalls such as Cisco's ASA.
- Acted as a pre-sales engineer providing technical solutions to clients and acted as a point of contact for vendors as required in bringing issues to resolution.
- Demonstrated proficient ability to research and implement software patches or hardware changes for all network devices including NMS, IDS, L2/3 switches, routers, firewalls and DNS appliances to tighten network security to the utmost level.

Senior Network Engineer (Contract)

Glowpoint, Inc.

Hillside, NJ

09/2007-03/2008

- Engineered and deployed segregation of AVVID traffics using multiple classes of QoS including CQ, PQ, WFQ, LLQ, CBWFQ & FIFO.
- Architected & led team of 5 engineers (security, server, and network) to deploy new MPLS/L3VPN backbone network for 2000+ IP video conferencing customers. Assessed and rectified BGP Route Reflector relationship and peering group issues.
- Configured and managed external BGP peering relationship with multiple service providers such as Sprint Japan, PCCW, AT&T, MCI & SAVVIS.
- Provided tier-3 level of consultation for sales engineering.
- Led the team for upgrading G-2 NPE & Packet-Over SONET OC3 cards for newly installed 7206VXR routers in every POPs.
- Supported the network operations center by providing assistance in trouble ticket escalation for issues that exist on the commercial network.
- Administered & provisioned customer's allocated traffic bandwidth via Traffic policing (Rate Limiting).
- Responsible for the architecture of customer solutions including designing H.323-based IP video and related solutions
- Lead Engineer for Cisco's GSR 12000 & 7606 carrier-class routers rollout for major city POPs including design and testing.
- Designed company's core backbone network with added layer of security and redundancy by implementing L2/L3 load-balancing deploying HSRP & GLBP.
- Implemented detailed configurations of Cisco Catalyst 3750 switches for layer 2 and 3 LAN QoS functions.
- Deployment and configuration of Alpine Extreme Network's 3804 L2/L3 multilayer switches.
- Responded to frequent pressure to meet deadlines when work speed and sustained accuracy were paramount.

L3 NOC Engineer (Contract)

Bear Stearns Company

Parsippany, NJ

07/2007-09/2007

- Participated in the design and research of network and infrastructure architecture changes. Proven ability to document processes, procedures and network designs clearly and accurately -- not only within the group to share the knowledge and understanding of systems, but also for distribution to other internal teams.
- Troubleshoot complicated network issues and work with cross functional Teams in setting voice and network standards regarding new technologies and applications.
- Created and maintained LAN, WAN, and WLAN documentation as it relates to network configuration, network mapping, processes, and service records.
- Established and documented Network technical support processes and procedures.
- Assumed ownership of project-related tasks; work to completion with assistance from provided and created resource base.

- Monitored and maintained the hardware and software for the network infrastructure device upgrades or replacements
- Understanding protocol compatibility, performing system tuning, and making recommendations for improvement
- Planned and documented new product deployments and the associated network infrastructure changes other items as deemed necessary
- Network Design, general network security, TCP/IP, a strong grasp of Internet networking practices and Concepts, BGP/OSPF, VPNs and Cisco IOS and CatOS
- Strong time management and organizational skills, proved ability to work well independently and as part of a team, good prioritization skills with proven troubleshooting skills.
- Ability to establish and maintain effective working relationships with managers and employees
- Strong communication (both verbal and written) and customer service skills (Ability to exchange information with others clearly and concisely.)
- Designed BGP and OSPF solutions for ISP connections, such as BGP Multihoming & Load-balancing.
- Designed and developed engineering solutions for IP network improvement, upgrade and expansion
- Provided IP network support of new services and features.
- Supported last tier escalations for all operational outages in IP network.
- Troubleshooting IP network problems and provide sound engineering solutions by maintaining deep knowledge of the company's Telecom Data Network architecture, topology and up-to-date configuration details.
- Maintained current technical expertise in the rapidly changing technology of telecommunications and utilizes state of the art techniques when implementing solutions.
- Documented engineering solutions in accordance to in-house standards including but not limiting to the following documents: Detailed Engineering Requirements, Detailed Reference Design, and Detailed Integration Test Plan documents.

Data Center Engineer (Contract)

Google, Inc.

NYC, NY

02/2006-04/2006

- Designed and developed engineering solutions for IP network improvement, upgrade and expansion
- Provided IP network support of new services and features.
- Supported last tier escalations for all operational outages in IP network.
- Troubleshooting IP network problems and provide sound engineering solutions by maintaining deep knowledge of the company's Telecom Data Network architecture, topology and up-to-date configuration details.
- Maintained current technical expertise in the rapidly changing technology of telecommunications and utilizes state of the art techniques when implementing solutions.
- Documented engineering solutions in accordance to in-house standards including but not limiting to the following documents: Detailed Engineering Requirements, Detailed Reference Design, and Detailed Integration Test Plan documents.

Network Consultant (Contract)

Network Doctors, Inc.

Englewood Cliff, NJ 12/2005-02/2006

- Installed, configured and upgraded operating systems and software, using standard business administrative packages.
- Installed, assembled and configured computers, monitors, network infrastructure and peripherals such as printers, scanners and related hardware; pulls cables and rewires or directs the rewiring of cables as required for new installations and office reconfiguration.
- Acted as a technical resource in assisting users to resolve problems with equipment and data; staffs a centralized help desk to facilitate exchange of information and advice; implements solutions or notifies outsource providers as required.
- Assisted in instructing modifications as necessary; and performed other duties of a similar nature or level. City staff in the use of standard business and administrative software, including word processing, spreadsheets and database management; provides instruction or written documentation where required.
- Led the team with the planning, design, research and acquisition of new or upgraded hardware and software systems; maintains current knowledge of hardware, software and network technology and recommended proper software patches.

- Supported and built network infrastructure in a multi-vendor environment. Deployed and managed Bay Networks, Extreme Networks, Juniper, Foundry, Cisco switches including 2621, 2926, 3550, 3725, 4000, 6500 & 7500 series catalysts and remote servers.
- Assisted in developing emergency situation strategies and fault tolerance for all supported system servers including Dell's 1550, 1650, 1750, 1850, 2450, 2550, 2650, 2850 Power Edge Servers and HP's DL 320 & 360 Proliant servers.
- Configured and supported inter-office network and Linux file servers including Fedora Core 2, 3 & 4, RH 9, Center OS, FreeBSD, Slackware and Debian OS.
- Assisted network expansion work such as extending Fiber Optic OC3, OC12, DS3, Ethernet, T1, POTS, 56k line and maintenance to support various Co-location clients.

- Provided network and hardware support including, but not limited to, the maintenance and creation of user accounts, maintenance of user directories, public directories, and department directories.
- In charge of supporting Windows and Linux OS users of all levels, as well as support for various web hosting applications including CPanel (WHM) and Plesk which were the primary control panels for the business operation.
- Troubleshoot and resolved problems related to Windows/UNIX VPS (Virtual Private Servers), as well as configuring and connecting various Windows/UNIX Environment.
- Provided customer care relationship support and implemented technical analysis supporting customer's networking trouble issues.

** Microsoft, CompTIA & Cisco certifications verification can be emailed upon request.
Also please feel free to check my LinkedIn profile below for more detailed background history.*

<http://www.linkedin.com/in/keithskim>

