Charles Kounakowitch

Network & Cloud Infrastructure Engineer

Networking | Cloud | Hybrid environments | Datacenter | Automation

LinkedIn | Credly

Network and cloud infrastructure engineer with 12+ years of hands-on delivery and technical consulting experience. Lifelong learner. Expertise in hybrid cloud architecture, secure enterprise connectivity, and cloud migration — with hands-on Azure and AWS deployments spanning vWAN, routeServer, TGW, and DX. Proven track record translating complex technical requirements into scalable, secure architectures across healthcare, global enterprise, and regulated environments. Experienced engaging technical and business stakeholders in pre-sales design discussions, architecture reviews, SOW development, and cutover planning. Multivendor certification portfolio spanning Cisco, AWS, Arista, Aruba, Palo Alto Networks, VMware, and Juniper

37 years old
Driving License
Amherst (03031) United States (New Hampshire)

kounakowitch@gmail.com
+1 6032001337 ckouna66

Experiences

Senior network engineer

WEI - Since November 2024

- Led architecture design and execution for a global SD-WAN migration (Aryaka to HPE EdgeConnect) spanning multiple continents; engineered multi-VRF designs for partner traffic segmentation and owned cloud hub implementation across Azure, AWS, and OCI
- Designed and architected hybrid cloud connectivity solutions integrating Azure vWAN, Azure Route Server, AWS Cloud WAN, AWS Transit Gateway, AWS VGW, AWS Direct Connect, and OCI — providing secure, scalable on-premises-to-cloud routing across multi-cloud environments
- Delivered multiple additional SD-WAN migrations including P2P leased line to SD-WAN and Broadcom SD-WAN to EdgeConnect, each with routing design and hybrid cloud connectivity
- Designed compliant network infrastructure for healthcare M&A engagements, replacing legacy Cisco Catalyst 4500 and HPE ProCurve environments with Aruba CX 8360/6400 core and 6300 access stacks; executed simultaneous cutover of two hospitals in a single maintenance window with zero unplanned downtime
- Owned end-to-end routing design across customer builds; contributed to pre-sales architecture discussions, LOE estimation, and SOW development across multiple engagements
- Planned and executed VXLAN EVPN Multisite data center migrations on Cisco Nexus and Arista platforms across multiple customer engagements; largest spanned three geographically distributed sites
- Built internal delivery tooling to accelerate engagements: pre/post cutover validation, automated config generation, and config scrubbing/sanitization frameworks

Network Engineer

Dassault Systèmes - 2022 to October 2024

- Involved with the design and deployment of a Fortinet SD-WAN solution replacing DMVPN on Checkpoint across 180 sites in 5 regions; contributed to both deployment execution and Python/Ansible automation pipeline development
- Contribututed and maintained a full intent-based networking automation stack: Netbox as single source of truth, with Python and Ansible pipelines provisioning FortiGate SD-WAN configs, Arista DC fabric via CloudVision Portal (CVP), and campus switching compliance — enabling infrastructure-as-code across the entire network estate
- Deployed and operated an Arista EVPN data center fabric; live migration from leaf-spine to superspine topology upon addition of a colocation site
- Designed and implemented all the routing components of a VMware NSX-T private cloud deployment automated through vRealize Automation (VRA) and vRealize Orchestrator (VRO)
- Led campus LAN refresh and config compliance automation on Cisco Catalyst 9000-series infrastructure

Senior Audiovisual Engineer North America

Dassault Systèmes - September 2017 to 2022 - Full-time - Waltham - United States - Massachusetts

- Manage new meeting room deployments across the US and Canada
- Manage AV projects for new office creation and office move (Bellevue WA, Long Beach CA, Milford CT and others)
- Extension of the North American HQ in Waltham MA
- Creation of a 500 seat Multi purpose room in the US headquarters Campus
- New training center and Customer Briefing Center, video wall + 40 touchpanels for first class customer experience in the US Headquarters
- New IT monitoring center in Montreal QC, videowall solution to help ensure business continuity in case of major IT disruptions

- Update the WW AV meeting room standards
- Automate provisioning and updates of devices and deploy monitoring solution

Audiovisual Engineer French HQ

Dassault Systèmes - September 2013 to September 2017 - Full-time - Vélizy-Villacoublay - France

- Opening of a new building in HQ : Creation of 60 meeting rooms, a multipurpose room and a new control room
  Project management from start of RFP to end-user training
- Upgrade our 300 seats auditorium to new digital standards
  In charge of the RFP with multiple contractors
  Lead the integration of the new hardware (Fiber matrix switcher, 4K seamless switchers, digital mixer)
- Create a control room that monitors the 3Dexperience platform
  Network based solution that displays data large format video wall
- Manage meeting room creation & upgrades
- Manage the creation of a large video wall used for realtime immersive applications
- Support the VR room & AV setups

Virtual Reality Engineer

Dassault Systèmes - September 2011 to September 2013 - Apprenticeship - Vélizy-Villacoublay - France

- Upgrade immersive room (CAVE - Virtual reality center)
- Upgrade network of CAVE to 10Gb per endpoint
- Manage IT aspects of Paris 3D project
- Manage IT aspects of DDay project
- Create VR Room for Waltham (MA - US) campus
- L2 VR support

Windows System Engineer

Dassault Systèmes - September 2010 to September 2011 - Apprenticeship - Vélizy-Villacoublay - France

- Design & write a dashboard that monitors Windows OS deployments on a globlal scale
- Deploy the tool to all geos
- L2 Windows support

Support technician

Dassault Systèmes - September 2009 to September 2010 - Apprenticeship - Vélizy-Villacoublay - France

- Create a dashboard that compiles data from incident management & finance tools.
  This helped finance decide how long we should keep IT assets
- End user IT support

Support technician

Sitel - February 2009 to August 2009 - Temporary Work - Troyes - France

- Technical phone operator
- Solve DSL related issues

IT Technician

Daniel Juvenelle - June 2005 to June 2008 - Part-time - Bar sur Seine - France

- Install & manage Active Directory
- Setup central storage system
- Implement new backup solution
- Day to day IT support

Skills

Data-center connectivity

- Arista EOS / CVP
- Cisco Nexus
- VMware NSX-T, VRA/VRO

Cloud

- Azure vWAN, Route Server
- AWS TGW, DX
- OCI
- Hybrid routing design

Project Management

- Communication
- Problem solving
- Managing tight deadlines
- Team Work
- Negociation skills

Certifications

- Cisco CCNP Enterprise
- Cisco DevNet Professional
- Vmware VCAP-NV
- AWS Advanced Networking
- Arista L3 & L5
- Aruba SDWAN Design and Deployment Expert
- Juniper JNCIA-DC

Audiovisual & IT

- Crestron Programming
- System administration
- AV architecture
- Powershell

Virtual Reality

- Manage VR events
- Setup tracking system
- Setup cluster or multipipe solutions
- Problem solving

Education

Master's degree

Université de Versailles
2010 to September 2013
Computer Science
Network & System engineering

Professional Bachelor

IUT de Nice
2009 to 2010
Network & Telecommunication

Associate of Engineering

IUT de Troyes
2007 to 2009
Industrial automation and electrical engineering

Interests

Tinkerer

- Home automation, combination of multiple solutions synchronized through a Crestron processor and a Home Assistant instance
- Multiple homelab setups to tinker with various IT solution, used mainly for training, or home related tasks

Arts

- Photography
- Gallery / Museum

Gearhead

- Self taught in most mechanic tasks
- Trackdays
- Autocross events