

# ANDY KUMEDA

SENIOR NETWORK ENGINEER | NETWORK ARCHITECT

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CCIE #3406

## SUMMARY

Senior Network Engineer and architect with 30+ years designing, deploying, and operating large-scale Cisco networks in enterprise and clinical environments. Hands-on expertise with Catalyst 9000 platforms, SD-Access / ISE, routing & switching (OSPF, BGP, EIGRP), MPLS, QoS, VXLAN, NAC, VPNs, and packet-level traffic analysis. Proven in leading network modernization projects, security posture improvements, and cross-functional implementation teams for 24x7 healthcare and mission-critical services.

## EXPERIENCE

### Senior Network Engineer | [Ventura County Health Care Agency]

(<https://vchca.org>)

2023 –  
Present

- Lead network architect responsible for modernizing a clinical and corporate enterprise network to improve security, segmentation, and availability for patient-facing systems.
- Architecting and leading migration from legacy Cisco platforms to Catalyst 9000 series across campus and data center environments.
- Designing and deploying Cisco SD-Access and ISE/NAC to replace ACS-based authentication and provide robust policy-based access control and micro-segmentation.
- Performing network assessments, maintenance planning, and upgrade execution to meet 24x7 clinical SLAs.
- Configuring and optimizing core, distribution, and access layer switching including VLAN design, VXLAN segmentation, and QoS policies for critical medical applications.
- Implementing automation (Ansible, Python) for repeatable device provisioning and configuration validation.
- Conducting packet-level analysis and troubleshooting to resolve complex latency and connectivity issues impacting urgent-care systems.

### Principal Consultant | [Delta9 Technology, LLC] (<https://delta9.tech>)

2017 – 2023

- Provided architecture and security consulting for enterprise and public-sector clients, focusing on compliance, high-availability designs, and secure remote access.
- Architected IPS/IDS and firewall solutions aligned with FBI CJIS and FIPS requirements for law enforcement agencies.
- Led threat mitigation, incident response, and vulnerability remediation programs for varied enterprise customers.
- Designed distributed, multi-site WAN/LAN topologies and produced integration plans for M&A activities.

### Network Architect | [DexYP] (<https://dexyp.com>)

2015 – 2017

- Designed resilient WAN/LAN and wireless architectures and introduced NFV/SDN concepts to increase operational flexibility.

- Built automation frameworks with Ansible and Python to reduce manual configuration errors and accelerate deployments.

**Executive Director, Network & Telecom | YP ([Yellowpages.com]  
(<https://yellowpages.com>))**

2012 –  
2015

- Directed network and telephony infrastructure strategy, managed SLAs, budgets, and multi-vendor project delivery.

**Associate Director, Voice & Data | AT&T Interactive ([AT&T](<https://att.com>))**      2009 – 2012

- Engineered Tier 4 data center expansions and multi-vendor production networks supporting global services.

**Senior Network Engineer | Yahoo! ([Yahoo](<https://yahoo.com>)) / Overture  
([Overture](<https://overture.com>)) / Goto.com ([Goto.com](<https://goto.com>))**      2001 –  
2004

- Designed and operated global production networks and led technology migration projects during major acquisitions.

## EDUCATION

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**BS, Computer Science & Engineering**  
California State University, Long Beach

## EXPERTISE

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Cisco Enterprise Architecture: Catalyst 9K, Catalyst Center, IOS-XE, SD-Access, ISE  
Routing & Switching: OSPF, BGP, EIGRP, ISIS, MPLS, VXLAN, Multicast, QoS  
Security & Access: NAC (ISE), ACS/SecurID, RADIUS/TACACS, Firewalls, IDS/IPS  
Network Services: VPN, Remote Access, MetroEthernet, WAN design  
Monitoring & Analysis: SolarWinds, Wireshark (packet-level), vulnerability testing  
Automation & Tooling: Ansible, Python, Terraform, IaC  
Leadership: Project & vendor management, cross-functional collaboration, mentoring