

NICHOLAS KYTE

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Senior Network Engineer

"Bias for Action" Network Engineer with nearly two decades of infrastructure experience, specializing in automating and scaling large-scale IP networks and AI superclusters within hyper-scale data centers. Proven track record of implementing CI/CD and DevOps automations that eliminates hundreds of manual engineering hours. Automation is how we accelerate, but productive XFN team meetings are how we maintain velocity.

WORK EXPERIENCE

TENARAI @META

10/2022 - Present

Network Engineer, DC Deployment

Driving the deployment, testing, and migration of the production networks that power Meta's global applications and massive GenAI superclusters. The execution arm of the Edge and Network Services Team.

- Writing and executing training programs for the ENS-DC-DS team which halved onboarding time for new hires from 4 months to 2.
- Composed and managed a centralized network infrastructure knowledge base for a 24x7x365 deployment team, standardizing engineering workflows and drastically reducing project delivery errors.
- Designed and coded Python dashboards and operational workflows that expanded Zero Touch Provisioning (ZTP) automation for hyperscale AI network devices, significantly accelerating deployment dates and reducing communication delays.
- Manage a 14-member engineering team responsible for the end-to-end provisioning, rack turn-ups, and circuit audits of hyperscale AI NSF fabrics.

Network Engineer, Peering - Circuit Provisioning

End to End Turn up of BGP Peering links to Service Providers

- Pilot Provisioner on TPR optical devices for GenAI and Oracle Cloud Infrastructure, ensuring timely delivery of high-priority circuits/cross-connects with P0 Service Providers.
- Led capacity add projects from start to finish at Meta's Edge POP's. Skills in Colocation, BOM's, SOW's, and RFE's.
- CIP rollouts of automation workflows such as `peering_activate_interface` and `peering_bgp_peer_removal` which significantly reduced manual CLI work and saved 8-10 hours per week of engineers time working on peering circuit provisioning.

CFM-SF

03/2018 - 10/2022

Inside Sales Engineer

Technical analysis and proposal of Industrial Automation Systems

- Engineered, wrote, and presented multi-line industrial and municipal project bids for competitive instrumentation projects.
- Led client engagements to identify engineering solutions, resulting in a 20% increase in project bids within 12 months through increasingly technical presentations rather than client engagement strategies.

RKI INSTRUMENTS

08/2017 - 03/2018

Field Service Engineer

Troubleshoot, repaired, tested and calibrated analog and digital controls.

- Interacted with clients' engineering, scientific, and technical personnel from a variety of laboratory organizations and industries to make recommendations on equipment, regulatory, and upgrade opportunities to ensure systems meet compliance requirements.

AT&T

05/2013 - 08/2017

Premises Technician

- Hands-on infrastructure troubleshoot and implementation of wifi access points, routers, LANs, WANs, VOIP, firewalls, access lists, cabling, XGS-GPON.

Splicing Technician

- Reviewed, analyzed and updated complex metro regional fiber optic schematic drawings.
- Sized, placed, identified, spliced, and tested copper and fiber optic cables.

ASTOUND BROADBAND

08/2004 - 05/2013

Broadband Technician IV

- Performed on-site analysis and repair of data, video, telephony, and security systems.
- Trained co-workers on RF digital signal meters and advanced troubleshooting techniques.

RCN

09/2000 - 08/2004

System Technician

- Maintained and repaired RCN's 19 town Outside-Plant footprint 24x7. Troubleshot signal delivery problems headend to plant.
- Read design and as-built blueprints of company infrastructure as well as submitted changes.

Data Transport Technician

- Installed, maintained, and repaired Cable Modem Termination Systems for RCN Metro-Boston.
- Coordinated with Headend, Outside Plant Techs, and end users to establish problem areas and methods to correct signal issues and bandwidth upgrades.

CERTIFICATIONS

CCNA

12/2025

Cisco

PROJECTS

CCNP Service Provider (In Progress)

01/2026 - Present

SKILLS

- **Infrastructure & Routing:** Arista, BGP, Cisco, DHCP, DNS, EtherChannel, FBOSS, firewalls, IPv4/IPv6, Juniper, Layers 1,2,3, OCP, routing, STP, switching, TCP/IP, VMware Environments, VPNs
- **AI & High-Performance Networking:** Fabric Architecture, Gaudi, RDMA, RoCE
- **Automation & Systems:** Bash, CI/CD, DevOps, Python, Unix, ZTP
- **Procedures & Tools:** BOM, PeeringDB, Project Management, SOW, Technical Documentation