

Khalid Nadeem Khan

Senior Network Implementation Engineer | Architect Track (Core, Backbone & Data Center)

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Professional Summary

Senior Network Implementation Engineer with 16+ years of experience across service provider, core, backbone, and large-scale data center networks. Strong background in network architecture alignment, HLD/LLD governance, design validation, and technical decision-making for mission-critical environments. Known for hands-on technical leadership, mentoring engineers, and bridging architecture intent with reliable real-world execution. Open to architect-track and senior technical leadership roles globally.

Core Expertise

- Core & Backbone Networking: IP/MPLS, BGP, IS-IS, OSPF, Segment Routing, MPLS L2/L3 VPN
- Network Architecture & Design Governance: HLD, LLD, NIP, MoP, design reviews
- Data Center Networking: EVPN-VXLAN, Fabric Architectures, High Availability Design
- Multi-Vendor Environments: Cisco, Juniper, Nokia
- Technical Leadership: Mentoring, escalation handling, architecture-to-implementation alignment
- Large-Scale Service Provider & Enterprise Networks

Professional Experience

Nokia Networks — Senior Network Implementation Engineer

September 2023 – Present

- Validate and govern HLD/LLD, NIP, and architecture compliance for large-scale core and data center networks.
- Play a key role in greenfield and brownfield data center builds across core sites.
- Act as technical authority during implementation, ensuring design integrity and operational readiness.
- Provide technical guidance to implementation teams and resolve complex escalations.

Cisco Systems India — Consulting Engineer

October 2021 – September 2023

- Supported Tier-1 to Tier-5 IP/MPLS backbone architecture across nationwide deployments.
- Owned validation of HLD/LLD, MoP, and NIP to ensure error-free execution of critical changes.
- Acted as escalation point for complex backbone and core routing issues.
- Provided technical leadership and mentoring to L1/L2 engineers.

Net Connect Global (Ericsson Global Services) — Solution Architect, IP

December 2018 – October 2021

- Delivered network design, planning, and implementation strategies for global service provider customers.
- Contributed to architecture and delivery of multiple new data centers for Tier-1 operators.
- Led IP design validation, vendor coordination, and technical acceptance activities.

British Telecom — Senior Network Designer

March 2017 – December 2018

- Provided network design, planning, and optimization for global enterprise and carrier customers.
- Served as technical point of contact for customer consultations, RFPs, and design discussions.
- Produced LLDs, MoPs, and effort estimations for professional services delivery.

Earlier Career (2007 – 2017)

Held progressive roles at Nokia Networks, Orange Business Services, Thales, Nokia Siemens Networks, and Reliance Communications, focusing on IP/MPLS design, planning, optimization, and large-scale service provisioning across multi-vendor environments.

Certifications

- Juniper Networks Certified Internet Professional (JNCIP-SP)
- Juniper Networks Certified Internet Specialist (JNCIS-SP)
- Cisco Certified Network Associate (CCNA)
- CCIE Service Provider – Written Qualified

Education

M.Sc. in Advanced Networking & Telecom, IIIT Pune (2007)

B.Tech in Computer Science & IT, MJP Rohilkhand University (2005)