ARSANA YUDISTIRA

Senior Network Engineer | IP/MPLS Backbone, Peering & Traffic Engineering
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PROFESSIONAL SUMMARY

Senior network engineer with 7+ years operating Telkom Indonesia Group's nationwide IP/MPLS backbone on Cisco and Juniper platforms. Core strengths in P/PE router operations, BGP peering and IP Transit, traffic engineering, and coordinating recovery during major incidents. Uses traffic analysis to guide peering and CDN decisions, and builds tooling for backbone visibility and congestion handling.

TECHNICAL SKILLS

Routing & Transport: BGP (eBGP/iBGP, peering, routing policy), MPLS (LDP, RSVP-TE), Segment Routing (SRv6, Flex-Algo), IS-IS, OSPF, L3VPN/VRF, IPv6

Platforms: Cisco IOS XR (P/core routers), Juniper Junos (PE/edge routers)

Peering & Traffic: IP Transit, Private Network Interconnect (PNI), CDN localisation, traffic engineering, capacity analysis

Operations: Major-incident management, fault diagnosis & RCA, escalation management, change management (MOP/CAB)

Automation & Tooling: Python, SQL, Linux, Telegram Bot API, Metabase dashboards

WORK EXPERIENCE

InfraNexia (PT Telkom Infrastruktur Indonesia), Telkom Indonesia Group **Aug 2024 – Present**
Senior Network Engineer, IP Backbone Operation

- Operate and maintain Cisco core routers and Juniper broadband edge routers across the nationwide MPLS backbone supporting fixed broadband services.
- Coordinate major-incident handling and escalation across Area teams, vendors, and executive leadership, from fault diagnosis to recovery on Cisco and Juniper backbone routers.
- Lead IP Transit product development covering BGP peering strategy, routing policy design, and traffic engineering. Contributed to the Meta PNI in Jakarta and Surabaya, moving Meta traffic off Singapore transit.
- Contributed to Telkom's first network implementation of SRv6 in 2026, with IS-IS as the underlay and Flexible Algorithm (Flex-Algo) for constraint-based paths.
- Since 2025, focus on improving fixed-broadband service quality as measured by crowdsourced benchmarks such as Opensignal, including its Broadband Consistent Quality (BCQ) metric.
- Built and operate the CORE dashboard, a Python platform that automates inventory, topology, performance and alarm monitoring across a 67-PoP IP backbone, replacing manual per-device CLI checks.
- Built a backbone congestion-alert bot and MPLS-TE reroute advisor that turn link congestion into ready-to-commit traffic-engineering actions, used daily by the backbone team since 2026.
- Served as executive staff to the Executive General Manager Network Operations and Deputy EGM Infrastructure O&M: prepared decision briefs on major incidents and drafted operational policies.
- Extended CDN localisation across the backbone: Google local-cache delivery reached about 70% and Meta about 90% domestic by 2026.

Telkom Indonesia **Jan 2019 – Aug 2024**

Network Engineer, Internet Router Operation

- Initiated CDN localisation for Google and Meta, replacing prefix-list export policies with per-PE BGP community steering. Local-cache delivery rose to 58% by 2023.
- Led network design for PON XX Papua 2021 (about 60 sites) and deployed on-site two months before the event to deliver and harden the network.
- Ran backbone standby operations for G20 Bali 2022 and MotoGP Mandalika 2022 with zero service-impacting incidents during the events.
- Led IPv6 research and a pilot on the live nationwide network, and contributed to BNG modernisation and PE-side IP transport for the broadband subscriber platform.
- Deployed international gateway and backbone capacity, aligning multiple vendor teams on cross-vendor execution.

CERTIFICATIONS

CCNP Enterprise (ENCOR + ENARSI) – Cisco	May 2026
Cisco Certified Specialist – Enterprise Advanced Infrastructure – Cisco	May 2026
JNCIS-SP, Service Provider Routing and Switching – Juniper Networks (HPE)	Apr 2026
Cisco Certified Specialist – Service Provider Core (SPCOR) – Cisco	Feb 2026
Cisco Certified Specialist – Enterprise Core – Cisco	Jun 2025
JNCIA-Junos, Juniper Networks Certified Associate – Juniper Networks (HPE)	May 2025
Certified Ethical Hacker v11 (CEH) – EC-Council	Nov 2020

Verify: credly.com/users/arsana-yudistira

EDUCATION

Universitas Brawijaya – Bachelor of Informatics Engineering (Cum Laude), GPA 3.59/4.00 **2014 – 2018**

LEADERSHIP & RECOGNITION

- **Telkom Group Future Leaders Development Program (FLDP)** – Top-talent leadership track, Batch 2-2026, selected through companywide competitive evaluation
- **President, Toastmasters International – Telkom Gatot Subroto Club** (Jun 2020 – Jun 2021)
- **Member, HR & Community Development Division**, Institution of Engineers Indonesia (PII–BKE) (May 2025 – Present)

LANGUAGES

Indonesian (Native), English (Professional Working Proficiency)