

# AKHFADZ JUAN REIZA

Senior IT Infrastructure & Network Engineer

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4+  
YEARS EXPERIENCE

10+  
ENTERPRISE PROJECTS

10+  
CERTIFICATIONS

## PROFESSIONAL SUMMARY

Senior IT Infrastructure & Network Engineer with 4+ years of hands-on experience delivering national-scale enterprise projects across healthcare, banking, government (IKN), education, and transportation sectors. Proven track record leading field engineering teams, designing complex network topologies, configuring BGP routing, and implementing multi-vendor solutions including Juniper, Cisco, Aruba, FortiGate, H3C, and Alcatel. Proficient in network automation using Ansible, Python, and NETCONF, as well as server administration with Proxmox, Docker, and Linux.

## WORK EXPERIENCE

### PT. NUSA INTI CEMERLANG

Jan 2024 – Present

#### IT Infrastructure Engineer — System Integrator

- Led field engineering teams and served as primary technical decision-maker during network crises on national-scale projects (IKN, LRT, KAI, hospitals, banking)
- Designed complete L2/L3 network topologies from HLD to LLD for multi-vendor enterprise projects
- Configured and deployed Juniper MX Series (router), SRX (firewall), and EX Series (switching) for Bandara Depati Amir airport infrastructure, Bangka
- Implemented BGP routing, OSPF, VLAN, VPN (IPSec/WireGuard), and firewall policies across enterprise networks
- Deployed infrastructure for ASN 2 & ASN 3 IKN buildings using Aruba Controller, FortiGate, MikroTik, Honeywell BMS, and GPON Dasar
- Automated configuration of 80+ Aruba switches using Ansible and config templating — significantly reducing deployment time
- Integrated IoT systems (Dragino sensors, MQTT, Node-RED) with Honeywell Trend IQ Vision BMS (Niagara) for IKN smart building
- Set up Proxmox server with LXC and Docker for enterprise ERP system, including deployment of ChirpStack, Mosquitto, and web server
- Developed Python scripts based on NETCONF/ncclient for automated Juniper device configuration
- Monitored enterprise networks using Zabbix with SNMP traps, custom triggers, and automated alerts

### PT. SISCOM TECHNOLOGIES

Sep 2022 – Jan 2024

#### Network Engineer — System Integrator

- Built LLD and network mapping for enterprise projects in healthcare (RS Pelni, RSCM CMU 3) and education (Techno Park UI) sectors
- Configured complete network infrastructure: HPE/Aruba switching, Cisco AP & WLC, Honeywell CCTV & NVR, NEC PBX

- Implemented VLAN, trunking, EtherChannel (LACP), and STP for hospital networks with high-availability requirements
- Set up and configured ZKTeco access control systems (face recognition, RFID) and Hikvision AI Cameras (people counting, face detection)
- Performed regular maintenance and monitoring of network, CCTV, and access control systems
- Troubleshoot hardware and software issues across multiple vendors: HPE, Cisco, Aruba, Honeywell, ZKTeco, Hikvision

## KEY PROJECTS

### Bandara Depati Amir

*Bangka — Ongoing*

Juniper MX (router), SRX (firewall), EX (switching) — Full stack Juniper enterprise network deployment

### ASN 2 & ASN 3 IKN

*Kemenko 4, Nusantara*

Aruba Controller, FortiGate, MikroTik, Honeywell BMS, GPON Dasar, ZKTeco, IoT Dragino sensors — Smart building government complex

### Bank NTB

*Banking Sector*

Cisco C9500, Catalyst WLC, AP 9115AX, Yeastar PBX — Enterprise banking network infrastructure

### LRT TOD Taman Mini & KAI

*Transportation Sector*

UNV CCTV, Alcatel Switch, EntryPass Access Control, TP-Link, Raisecom — Transportation infrastructure

### RS Pelni & RSCM CMU 3

*Healthcare Sector*

HPE/H3C Switch, Cisco AP, Aruba, Honeywell CCTV & NVR, NEC PBX, Dahua, IPTV — Hospital-grade network

## TECHNICAL SKILLS

<b>Router &amp; Routing</b>	Juniper MX Series, Cisco Catalyst C8200L, MikroTik — BGP, OSPF, Static Routing, NAT, VPN (IPSec, WireGuard), PPPoE, DHCP
<b>Firewall &amp; Security</b>	Juniper SRX, Cisco ASA/FPR1140, FortiGate, MikroTik Firewall — ACL, Site-to-Site VPN, IDS/IPS, URL Filtering, Port Forwarding
<b>Switching</b>	Juniper EX, Cisco Catalyst, Aruba (AOS 8), H3C S6520X, HPE, Alcatel, Ruijie — VLAN, Trunking, EtherChannel (LACP), STP
<b>Wireless / WiFi</b>	Aruba Controller (AOS 8), Ubiquiti, TP-Link Omada, MikroTik CAPsMAN, Cisco WLC — SSID segregation, roaming optimization
<b>Server &amp; Platform</b>	Proxmox VE (LXC, VM), Docker, Linux (Debian/Ubuntu), ChirpStack, MQTT, Node-RED, Git
<b>Network Automation</b>	Ansible (80+ switch deployment), Python (NETCONF/ncclient, API, scripting), Zabbix (SNMP, custom triggers), REST API
<b>GPON &amp; Access</b>	Dasar, ZTE OLT — PPPoE, bandwidth management, FTTH deployment
<b>CCTV &amp; Access Ctrl</b>	Hikvision (AI Camera, Face Detection, NVR, NAS), Dahua, SPC, Honeywell, ZKBioSecurity, EntryPass (RFID, Visitor Mgmt)
<b>Smart Building</b>	Honeywell Trend IQ Vision (Niagara) — BACnet, Modbus, point mapping, REST API integration to OIKN dashboard
<b>VoIP &amp; PBX</b>	Alcatel OmniVista, NEC SL1000, Yeastar IP PBX, Avaya, Sangoma — SIP, IP Phone configuration

## CERTIFICATIONS

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### Fortinet Certified Associate in Cybersecurity

Fortinet Training Institute  
April 2026 · Valid until Apr 2028



### Fortinet Certified Fundamentals in Cybersecurity

Fortinet Training Institute  
April 2026 · Valid until Apr 2028



### Omada Wireless Certified

TP-Link  
2025



### RCNA — Ruijie Certified Network Associate

Ruijie Networks  
2025



### CCNA 200-301

IDN Networks  
Sep 2023



### CyberOps Associate

Cisco Networking Academy  
Apr 2023



### HTC Smart Building

Hikvision  
Sep 2023



### DCNA Security-M2M

D-Link International  
Oct 2022



### MTCNA — MikroTik Certified Network Associate

MikroTik  
Nov 2020



### CCNA — Cisco Networking Academy

Cisco Networking Academy  
Feb 2020

## EDUCATION

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**Politeknik Negeri Lampung**  
Diploma 3 — Computer Engineering

2018 – 2022

## LANGUAGES

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**Bahasa Indonesia** —  
Native

**English** — Professional  
Working Proficiency