

FAHRUL DWI ANUGRAH

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West Jakarta, Jakarta, Indonesia

Summary

Network Engineer specializing in Application Delivery and enterprise networking, with hands-on experience in large-scale F5 BIG-IP LTM environment supporting mission-critical applications. Experienced in load balancing, virtual server, pool and node management, SSL/TLS certificate administration, traffic monitoring, and application access troubleshooting. Supported by a strong foundation in routing & switching, network security, cloud computing, and Linux, with certifications including F5-CA, MTCNA, OCNA, NSE3, and AWS-CCP.

Working Experiences

Network Engineer – PT. Mastersystem Infotama Tbk.

Central Jakarta, Jakarta, Indonesia | Oct 2025 - Present

- Manage an enterprise F5 BIG-IP LTM environment across 133 devices, including primary/secondary HA pairs, supporting 7000+ virtual servers for critical applications in an on-site client environment.
- Execute 1,300+ F5 configuration changes (140+ per month on average) across virtual servers, pools, nodes, and SSL certificates within established change-management procedures.
- Monitor traffic patterns, pool health, and service availability across the F5 fleet using real-time dashboards, catching potential issues before they affected application users.
- Diagnose application access and load-balancing issues — including virtual server status, pool member health, SSL/TLS, and persistence — escalating complex cases for senior-level review.

Data Analyst (Part-time) – Career Development Center (CDC) of Andalas University

Padang, West Sumatra, Indonesia | Sep 2021 - Sep 2025

- Identified a monitoring gap in the existing tracer study system and independently built a multi-level Google Sheets dashboard that automatically calculated response rates and weighted IKU1 achievement across 50+ study programs, 15 faculties, and university-wide reporting.
- Automated IKU1 scoring across employment status, salary benchmarks, and waiting-period variables for 5,500+ alumni respondents annually, supporting survey response rates above 80% year-over-year and university accreditation reporting.
- Restructured the university's annual tracer study dataset into the government-prescribed schema, ensuring on-time submission to the national Dikti reporting platform.

Network Engineer Intern – Asia Pacific Resources International Holdings Ltd (APRIL)

Pelawan, Riau, Indonesia | Jan 2023 - Feb 2023

- Analyzed network topology and hardware inventory of a large-scale industrial complex, and assisted with LAN cabling and VoIP deployment across the facility, gaining hands-on exposure to enterprise-scale network operations.

Recruitment Ambassador of TELADAN 2023 (Part-time) – Tanoto Foundation

Padang, West Sumatra, Indonesia | Jul 2022 - Jan 2023

- Represented Tanoto Foundation as a campus ambassador for the TELADAN scholarship program, guiding prospective applicants through the selection process.

Education

Andalas University – Bachelor of Computer Engineering

GPA : 3.73/4.00 | Padang, West Sumatra, Indonesia | Sep 2020 - Jul 2025

- Recipient of the TELADAN Scholarship by Tanoto Foundation, receiving full financial support and an eight-semester leadership development program.
- Final Project: Designed and built a standalone edge-AI device using Raspberry Pi and a custom-trained Convolutional Neural Network (CNN) to detect rice plant diseases from leaf images in real time, enabling low-cost offline diagnosis without internet connectivity.
- Relevant Coursework: Computer Networking, Information Security, Cloud Computing, Operating Systems.

Certifications & Trainings

Networking

- [F5 Certified Administrator, BIG-IP \(F5-CA, BIG-IP\)](#)
- [MikroTik Certified Network Associate \(MTCNA\)](#)
- [Omada Certified Network Administrator - Routing & Switching \(OCNA-RS\)](#)
- [Omada Certified Network Administrator - Wireless \(OCNA-W\)](#)

Cloud Computing

- [AWS Certified Cloud Practitioner \(AWS-CCP\)](#)

Cybersecurity

- [Fortinet NSE 1-3 Certified in Cybersecurity \(NSE 1-3\)](#)
- ISC2 Certified in Cybersecurity (CC) — Exam Passed, Credential Pending

Upcoming Certifications

- Cisco Certified Network Associate (CCNA) — Scheduled 12/2026

Trainings/Courses

- [Cyber Security Engineer Bootcamp](#) — Merdeka Siber
- [Network Engineer Bootcamp](#) — Mastersystem Infotama
- [Cloud Computing Bootcamp](#) — Orbit Future Academy (AWS re/Start Program)
- [Network Security Bootcamp](#) – Infinite Learning Indonesia (MSIB-MBKM Program)
- Full course list with topics: www.fahrul-anugrah.my.id/#learning

Skills

- **Application Delivery:** F5 BIG-IP LTM, load balancing, virtual servers, pools, nodes, SSL/TLS, persistence, health monitoring
- **Routing & Switching:** Cisco IOS, MikroTik RouterOS, Omada, VLAN, STP, EtherChannel, static & dynamic routing, OSPF, EIGRP, BGP, ACL, NAT, IPv6, subnetting
- **Network Security:** FortiGate, Huawei USG, OPNsense, firewall policy, IPsec & SSL VPN, IDS/IPS, PKI, network hardening
- **Offensive Security:** Penetration Testing, Vulnerability Assessment, Web Application Security, CTF, Kali Linux
- **Cloud & Systems:** AWS (IAM, EC2, VPC, S3, RDS, ELB, Route 53, Auto Scaling), Ubuntu, Debian, VMware, DNS/DHCP/web server administration
- **Monitoring & Analysis:** Wireshark, Zabbix, Grafana, Wazuh, SIEM, attack & defense analysis
- **Programming:** Python
- **Languages:** Indonesian (Native), English (Professional Working)
- **Soft Skills:** Teamwork, Problem Solving, Growth Mindset