Andrea Marie Baikole

Network Engineer

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Profile

A 7th-semester Informatics Engineering student with a strong passion for network engineering. Experienced as a Teaching Assistant for Computer Networks, LAN Infrastructure, and Enterprise Network courses, with hands-on expertise in network configuration and troubleshooting. Well-versed in networking concepts, strengthened by refined communication and technical skills gained through lab instruction. Actively expanding knowledge in cloud computing and software development, eager to learn and contribute in a professional environment.

Skills

- Cisco Networking
- Mikrotik
- Android App Development (Kotlin)
- HTML
- English – Intermediate Level
- Teamwork
- Problem Solving
- Team Leadership

Work Experience

Enterprise Network Lab Assistant Lecturer   January 2025 – June 2025

- Assisted students in configuring advanced networking services such as OSPF, VPN, NAT, and virtual networks (VLAN, EOIP).
- Demonstrated the use of firewall rules to block certain websites, restrict specific protocols, and implement Access Control Lists (ACLs).
- Introduced and explained Quality of Service (QoS) to help students understand how to prioritize real-time traffic effectively.

Computer Network Lab Assistant Lecturer   January 2025 – June 2025

- Guided students through practicals on IP addressing, subnetting, routing, and switching using Cisco Packet Tracer, GNS3, and Wireshark.
- Supported students in troubleshooting configuration issues and analyzing network traffic.
- Helped design lab assignments, quizzes, and practical exams while providing technical and academic feedback.

Network Engineer Intern – Mission Aviation Fellowship   May 2022

- Assisted in installing and configuring network devices such as routers, managed switches, and IP cameras in remote offices.
- Helped set up network services like DHCP and conducted basic troubleshooting.
- Operated MikroTik routers and multiple operating systems to ensure secure and stable connectivity for office operations.

Educations

- **Duta Wacana Christian University** — August 2022 - Present
- **Bangkit Academy 2024 Batch 2 - Cloud Computing Cohort** — September 2024 - January 2025
- **SMA Papua Harapan Sentani** — August 2019 - June 2022

Organizational & Committee Experience

Event Division Member — March 2024 – September 2024

Academic Life Orientation (OKA) – Duta Wacana Christian University

- Acted as timekeeper for four consecutive days to ensure that all sessions followed the schedule smoothly.
- Designed the event rundown and created Terms of Reference (TOR) documents for invited speakers to maintain professionalism and clarity.
- Served as formal MC during the general session with student organizations and led the final-day session as a non-formal MC to ensure engaging delivery.

Organizational Division Member — December 2023 – January 2025

Student Representative Board (BPM FTI)

- Supervised the planning and execution of all FTI student affairs programs to align with the faculty's vision and applicable regulations.
- Led program evaluations focusing on effectiveness and student impact.
- Participated in collective decision-making processes, analyzing various viewpoints and anticipating implications to support responsible governance.

Project Experience

Server Recovery – Dell PowerEdge R630 — February 2025 – March 2025

- Diagnosed and recovered a failed SSD on the institution's Dell PowerEdge R630 server.
- Reconfigured RAID settings and reinstalled a Linux-based OS to restore the server's functionality and data reliability.

Network Block Development – Lab D — January 2025 – May 2025

- Recovered and reconfigured unused routers and switches using MikroTik and managed switches.
- Implemented VLAN configurations to improve network segmentation and traffic management efficiency.

WasteWise – Final Project (Capstone) | Bangkit Academy 2024 — September 2024 – January 2025

- Developed a cloud-based educational platform to promote sustainable household waste management.
- Designed and implemented the backend infrastructure using Google Cloud Platform (GCP) components such as Compute Engine and Cloud Run.