Ryan Thadeus

Computer Science Student | Network Technology Specialist

DKI Jakarta, Indonesia

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Professional Summary

Passionate Computer Science student specializing in Network Technology with a solid foundation in algorithms, data structures, and object-oriented programming. Experienced in Linux system administration, network programming with Golang, and cybersecurity practices. Seeking opportunities to apply technical skills in building, optimizing, and securing robust digital infrastructures.

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Education

Binus University | Jakarta, Indonesia

Bachelor of Computer Science (Specialization in Network Technology)

2023 – Present

- **GPA:** 3.31/4.0
- **Relevant Coursework:** Data Structures, Operating Systems, Object-Oriented Programming, Computer Networks, Network Design, Linux System Administration and Security.

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Technical Skills

- Cisco Packet Tracer, Network Topology Design, VLAN Configuration, Static & Dynamic Routing, Network Monitoring & Documentation
- Ubuntu Server Management, Firewall Configuration, Service Management, File & Disk Encryption, User Access Control, Log Analysis
- VMware, VirtualBox, Cloud Fundamentals
- SSH Configuration, Backup & Remote Access Management
- C/C++, Python, Go, SQL, HTML/CSS, Java
- Git, VS Code, Visual Studio, Eclipse, Agile/Scrum Methodologies
- Leadership, Collaboration, Technical Documentation, Adaptability, Real-Time Problem Solving

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Projects & Experience

OnlySmart - Education Platform

Contributor | 2025

- Contributed to software requirements definition for "OnlySmart," a platform designed to connect students with honorary teachers via learning forums and online classes.
- Facilitated strategic team discussions to establish core functionalities and align project direction with user needs.

Linux Administration & Security Project

System Administrator | 2025

- Administered system security on Ubuntu and Rocky Linux by managing users, groups, firewalls, and implementing strict access control policies.
- Conducted Red Team and Blue Team simulations using Kali Linux to understand both offensive and defensive cybersecurity strategies.

- Utilized network analysis tools such as Wireshark for packet inspection and Nmap for network reconnaissance and IP discovery.

Network Programming with Golang

Developer | 2025

- Developed foundational network components including server, client, and proxy functions.
- Implemented efficient data transmission and routing protocols using the Go programming language.

Cisco Enterprise Network Design Case Study

Network Designer | 2024

- Designed a scalable network infrastructure for a corporate case study occupying 3 floors within the Binus building complex.
- Architected a comprehensive topology connecting servers, routers, and switches to support a high-density environment of approximately 20 rooms per floor with 30 PCs per room.

Algorithms & Data Structures Implementation

Developer | 2023

- Implemented fundamental data structures (arrays, stacks, queues, hash tables) and complex algorithms using C++.
- Focused on writing clean, efficient, and optimized code while applying rigorous problem-solving methodologies.

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Organizational Experience

HIMTI Anniversary 2025 | Jakarta, Indonesia

Coordinator of PTK Division (Equipment, Technical & Logistics)

Jul 2025 – Oct 2025

- Technical & Stage Support for setting up and handling sound systems, lighting configurations, and FOH (Front of House) stage settings to ensure optimal audiovisual performance.
- Talent & Stage Management as PIC for talents/bands and Soundman, managing real-time transitions and audiovisual integration during performances.
- Logistics & Layout to manage venue layout, game areas, and consumption logistics. Assisted in setting up decorations for the photobooth and main event areas.
- Crowd Control & Safety to measure and define restricted areas and ensure event safety and smooth flow.
- Coordinated live broadcasts via Zoom, ensuring network stability and audio-visual synchronization for online audiences.

HISHOT (HIMTI Seminar, Workshop, and Study Tour) | Jakarta, Indonesia

Promotion Division Member

2025 - 2026

- Served as the talent for promotional videos on TikTok and Instagram Reels
- Documented and promoted the Domestic Study Tour visit to Garena
- Collaborated with the creative team to brainstorm and execute content ideas, ensuring consistent and attractive branding.
- Conducted real-time event coverage via Instagram Stories (Live Report) to maintain high audience engagement during the event.

Languages
- **Indonesian:** Fluent
- **English:** Intermediate