



FITRA MAULANA

087738922493 | fitramaulana@mail.ugm.ac.id | www.linkedin.com/in/fitra-maulana-32gen8 | fitramaulana.my.id

Sleman, Daerah Istimewa Yogyakarta, Indonesia

Applied Science graduate in Internet Engineering Technology from Universitas Gadjah Mada, specializing in High Availability infrastructure, distributed systems, and observability. Proven track record in designing an infrastructure Proof of Concept (PoC) with 100% service availability using Proxmox VE, Apache Kafka, and PostgreSQL. Equipped with industry-recognized certifications (CCNA, MTCNA, AWS Cloud) and a strong dedication to ensuring zero data loss, system scalability, and network security.

Work Experiences

Global Intermedia Nusantara - Yogyakarta, Daerah Istimewa Yogyakarta

Sep 2025 - Dec 2025

Cloud & Infrastructure Engineer Intern

Global Intermedia Nusantara is an information technology company focused on developing innovative IT solutions to improve operational efficiency and support business objectives through the effective use of technology.

- Designed and implemented a High Availability (HA) architecture utilizing NGINX load balancing across multiple backend application servers to prevent traffic bottlenecks.
- Configured PostgreSQL primary-replica streaming replication, ensuring database redundancy, automatic failover capability, and zero data loss during server disruptions.
- Deployed and orchestrated a distributed messaging system using an Apache Kafka multi-broker cluster to handle asynchronous microservices communication.
- Developed backend services using Node.js integrated with PostgreSQL and Kafka, while concurrently executing security hardening protocols on production servers.
- Established comprehensive infrastructure monitoring using Prometheus and Grafana for real-time observability, bottleneck detection, and performance analysis.

Kereta Cepat Indonesia China - Jakarta Timur, Daerah Khusus Jakarta

Feb 2025 - Jun 2025

IT and Ticketing Facilities Intern

Kereta Cepat Indonesia China (KCIC) is a joint venture between the Indonesian and Chinese governments responsible for the development and operation of Indonesia's first high-speed railway project.

- Conducted routine inspections of IT infrastructure and operational support systems at Halim Station.
- Monitored data center facilities, ticket vending machines, gate systems, and passenger information displays.
- Assisted in troubleshooting and maintaining mission-critical operational devices.
- Prepared daily technical reports including issue identification and recommended corrective actions.

Jagoweb - Sleman, Daerah Istimewa Yogyakarta

Jun 2024 - Aug 2024

Technician Intern

Jagoweb is a hosting and domain service provider offering fast, secure, and user-friendly hosting solutions for both personal and business websites.

- Managed and maintained client hosting infrastructure to improve uptime and performance.
- Optimized server configurations to enhance reliability and response time.
- Assisted in implementing web security solutions to mitigate cyber attack incidents.
- Collaborated with development teams to improve hosting control panel usability.

Education Level

Universitas Gadjah Mada - Sleman, Daerah Istimewa Yogyakarta

Aug 2022 - Apr 2026

Bachelor of Applied Science in Internet Engineering Technology, 3.71/4.00

Organisational Experience

Menanam Harapan: Merawat Rasa Syukur di Kaki Merapi 2025 - Sleman, Daerah Istimewa Yogyakarta

Nov 2025

Event Lead - Environmental Action

Part of the 9th Anniversary of Campus Boys UGM, themed "Gratitude Beyond The Game," serving as a tangible expression of gratitude to the earth

through a tree-planting action.

- Led and coordinated the planting of approximately 200 Tabebuaya trees along an ≈810-meter area on the slopes of Mount Merapi with 50 volunteers.
- Initiated the program as a form of environmental gratitude as part of the 9th Anniversary of Campus Boys UGM.
- Managed collaboration with Sekolah Air Hujan Banyu Bening and the Umbulharjo Village Government.
- Oversaw technical planning, team distribution, logistics management, and on-site event operations.

Piala Pancasila UGM 2024 - Sleman, Daerah Istimewa Yogyakarta

Jul 2024 - Nov 2024

Security Division Coordinator

Inter-University Football Tournament

- Led the security team to ensure smooth event operations and controlled access to restricted areas.
- Coordinated with organizing committees and external parties to manage participant and audience safety.
- Developed contingency and emergency response plans, including evacuation procedures.
- Supervised security personnel, ensuring clear role distribution and protocol compliance.

NETCOMP 2.0 - Sleman, Daerah Istimewa Yogyakarta

Jun 2023 - Jan 2024

Deputy Security Division Coordinator

Cybersecurity (Capture The Flag) & Networking Competition

- Oversaw physical security and managed access control throughout the competition.
- Collaborated with organizing committees to schedule security shifts and ensure optimal monitoring.
- Handled potential conflict situations efficiently, maintaining a safe and conducive environment for participants and attendees.

Skills, Achievements & Other Experience

- **Achievements** (2026): Mikrotik Certified Network Associate
- **Achievements** 🏆 (2024): HCIA-Cloud Computing V5.0 Course
- **Achievements** 🏆 (2024): HCIA-AI V3.5 Course
- **Achievements** 🏆 (2024): CyberOps Associate
- **Achievements** 🏆 (2024): Cloud Practitioner Essentials (Belajar Dasar AWS Cloud)
- **Achievements** 🏆 (2024): Memulai Pemrograman dengan Python
- **Achievements** 🏆 (2024): Belajar Visualisasi Data
- **Achievements** 🏆 (2023): CCNAv7: Switching, Routing, and Wireless Essentials
- **Achievements** 🏆 (2022): CCNAv7: Introduction to Networks
- **Hard Skills**: Network Configuration and Maintenance
- **Hard Skills**: Cybersecurity Simulation and Testing
- **Hard Skills**: Threat Analysis and Documentation
- **Hard Skills**: Wordpress Development
- **Hard Skills**: Image Processing
- **Hard Skills**: GitLab Version Control
- **Hard Skills**: Computer Vision Development
- **Soft Skills**: Problem-Solving
- **Soft Skills**: Analytical Thinking
- **Soft Skills**: Communication Skills