



FIKRIAN REZA PRATAMA

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Setiabudi, South Jakarta

Infrastructure Engineer with strong hands-on experience in system administration, virtualization, networking, containerized workloads, and infrastructure reliability. Proven ability to deploy, maintain, and troubleshoot on-premise and hybrid environments using Proxmox, XCP-NG, Kubernetes, Docker, and Linux-based systems. Experienced in automation pipelines, monitoring, backup & disaster recovery, and secure infrastructure operations for enterprise and government environments. Background in AI systems and automation provides strong added value for building scalable, efficient, and observable infrastructure.

Jenjang Pendidikan

Universitas Negeri Yogyakarta  - Sleman, Yogyakarta

Jun 2019 - Jan 2024

Bachelor of Pendidikan Teknik Mekatronika, 3.59/4.00

- Finalist, LIDM 2023 – Real-time Sign Language Recognition System
- National Champion, KIBO Robot Programming Challenge 2021
- International Finalist, KIBO Robot Programming Challenge 2021 & 2022
- Silver Medalist, Indonesia Education International Innovative Competition 2021

Experiences

PT Pensieve Teknologi Indonesia - Jakarta

Apr 2025 - Sekarang

Field Service Engineer

Pensieve is a tech company that provides cutting-edge cyber technology for government and defense agencies.

- Install, configure, update, and troubleshoot enterprise infrastructure systems for government and defense environments.
- Maintain containerized workloads and CI/CD pipelines using Bitbucket and Kubernetes, accelerating deployment and improving reliability.
- Design and implement backup & recovery strategies to ensure data integrity and system resilience.
- Monitor system availability and performance using centralized monitoring tools.
- Manage network devices (routers, switches, firewalls) and inter-data center connectivity.
- Perform infrastructure migration and system upgrades with minimal downtime.
- Document technical procedures and operational standards in internal knowledge bases.
- Setup zero-trust all services using Netbird to protect 100% of apps
- Support automation workflows using n8n for the orchestration of services and infrastructure processes.

PT Enkripa Teknologi Indonesia - Jakarta

Aug 2024 - Apr 2025

System Administrator

Enkripa Teknologi Indonesia is an innovative cybersecurity solution provider in the field of PSrE in Indonesia.

- Configured Proxmox and XCP-NG hypervisors for server virtualization, enabling reliable internet access for hosts and VMs.
- Install and configure Linux (Ubuntu, Rocky Linux) and Windows OS (Windows 10, Windows Server) on VMs.
- Implement firewall rules (UFW on Ubuntu) and configure inbound/outbound settings on Windows servers.
- Optimize resource allocation and workload distribution across VMs and servers.
- Install and configure monitoring tools (Zabbix, Wazuh, Elastic) for infrastructure health.
- Sync databases and Docker volumes across VMs for Data Center and Disaster Recovery Center operations.

PT Nordspec Mandala Persada - Bumi Serpong Damai (BSD City), Tangerang, Banten, Indonesia

Mar 2024 - Apr 2025

AI Developer

Nordspec Mandala Persada is a software house providing solutions for artificial intelligence-related challenges.

- Engineered an advanced Face Recognition Attendance System using Python, integrating PostgreSQL for accurate identification and real-time timestamp tracking, reducing manual attendance processing time by 50% and improving accuracy by 30%.
- Built a Visual Analytics System with RTSP integration for real-time video processing.
- Developed People Counting & Analytics using Python for visitor tracking, gender classification, and age estimation.

Sing Language Application Project - Yogyakarta

Feb 2023 - Aug 2023

AI Engineer

Developed a Sign Language Detection Application using deep learning object detection.

- Created a training dataset for model development.
- Trained an AI detection model for real-time application use.
- Developed real-time detection functionality within the application.
- Implemented user database management for the application using Firebase.

- Project Developed a POS system for a café and billiard business using PHP Laravel and Blade.
- Built an automated billiard system using MQTT to integrate the website with ESP32, ensuring seamless communication.
 - Implemented role & permissions management, enhancing system security by 70% and reducing unauthorized access incidents by 50% through robust access control and UI customization.
 - Built an inventory management system to streamline asset tracking.
 - Developed a product management system for efficient item organization.

Pengalaman organisasi

Programmer Rocket Team UNY

A competitive engineering team focused on robotics, automation, and intelligent systems, representing Universitas Negeri Yogyakarta in national and international robotics competitions.

- Lead Rocket Team UNY 2023
- 2nd National Runner-up, 3rd Kibo Robot Programming Challenge 2022.
- Finalist, Kompetisi Kapal Cepat Tak Berawak Nasional 2022 (FERC – Navarine Team).
- Finalist, International Final Round of 3rd Kibo Robot Programming Challenge 2022 (Bondowoso 2 Team).
- Finalist, International Final Round of 2nd Kibo Robot Programming Challenge 2021 (Cepheus-2 Team).
- 1st National Champion, 2nd Kibo Robot Programming Challenge 2021 (Cepheus-2 Team).
- Finalist, Kompetisi Kapal Cepat Tak Berawak Nasional 2021 (FERC – Sarwapalaka Team).

Keterampilan, Prestasi & pengalaman lain

- **Certificates** (2024): Information Security Management Systems - ISO/IEC 27001:2022
- **Certificates** (2024): Law on Personal Data Protection No. 27/2022
- **Achievements** (2023): Finalis LIDM 2023 Daicov Team
- **Achievements** (2022): Juara 1 LIDM Internal UNY 2022 (Daicov/Disabilities AI Computer Vision)
- **Achievements** (2022): Juara 2 Nasional 3rd Kibo - Robot Programming Challenge
- **Achievements** (2022): Finalis Kompetisi Kapal Cepat Tak Berawak Nasional 2022 kategori FERC (Navarine Team)
- **Achievements** (2022): Finalis Final Round Internasional 3rd Kibo - Robot Programming Challenge (Bondowoso 2 Team)
- **Achievements** (2021): Finalis Final Round International 2nd Kibo - Robot Programming Challenge (Cepheus-2 Team)
- **Achievements** (2021): Juara 1 Nasional 2nd Kibo - Robot Programming Challenge (Cepheus-2 Team)
- **Achievements** (2021): Silver Medal Indonesia Education International Innovative Competition 2021
- **Achievements** (2021): Finalis Kompetisi Kapal Cepat Tak Berawak Nasional 2021 kategori FERC (Sarwapalaka Team)
- **Projects** (2022): HARDISC (Hand Recognition for Disabilitas Aplication)
- **Projects** (2021): Capstone Project Microsoft Indonesia (Program Pendeteksi Masker dan APD)