

# NANDA WIJAYA PUTRA

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Jatiasih, Kota Bekasi - Jawa Barat

Highly skilled Backend Developer with DevOps expertise, experienced in building, optimizing, and scaling backend systems and infrastructure. Proficient in Golang, PostgreSQL, Kubernetes, and observability tools. Specialized in designing efficient APIs, implementing CI/CD pipelines, and deploying scalable systems on cloud-native environments.

## Professional Experience

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**PT Semesta Integrasi Digital (Sekolahmu HQ) - Jakarta, Indonesia**

Sep 2025 - Present

*Software Engineer*

Edutech

- Developed an internal web application to improve operational and financial efficiency within the organization.
- Automated several manual workflows including student transfers, voucher management, and financial reporting.
- Built RESTful APIs using Golang to ensure scalability, performance, and maintainability.
- Designed a Vue.js-based frontend for intuitive and responsive user interaction.
- Integrated the system with the core school management platform to synchronize operational and financial data.
- Reduced manual work for the Operations and Finance teams, resulting in faster and more accurate processes.

**PT Kleanova Pharmaret (Apotek Roxy) - DKI Jakarta**

Jan 2025 - Sep 2025

*DevSecOps - Freelance*

Pharmaceutical Retail company

- Built end-to-end observability stack with Grafana, Prometheus, and Loki, enabling real-time monitoring of performance metrics and centralized log collection.
- Optimized CI/CD pipelines using GitLab CI, reducing deployment time by 60% and enabling faster feature releases.
- Administered GitLab repositories, enforcing branch protection rules, access control, and repository structure to streamline team collaboration and code quality.
- Managed multi-environment servers (development, staging, production), including SSH access setup, load monitoring, and incident troubleshooting, ensuring >99% uptime.
- Deployed and maintained K3s clusters to improve application scalability and high availability across services.
- Automated deployment workflows with Docker, Kubernetes (Helm charts, YAML manifests), cutting manual configuration errors and improving release consistency.

**PT BUSANID TECHNO ASIA - Jakarta Barat**

Feb 2024 - Jun 2025

*Backend Developer*

A leading IT services and consulting firm delivering scalable IT solutions for Indonesian enterprises.

- E-Commerce Platform: Developed backend services in Golang (product catalog, cart, reviews, favorites, payment gateway integration, order queues, and cron schedulers). Designed efficient PostgreSQL queries and materialized views to enhance data retrieval performance.
- ERP System Migration: Refactored Laravel services into Golang, redesigned database queries, and introduced pagination to resolve N+1 query issues, cutting API response time from 5 seconds to 100ms, greatly improving system scalability and user experience.
- Retail Data Synchronization: Built real-time transaction and stock sync across outlets using Apache Kafka; developed monitoring dashboard with Next.js and deployed per-outlet microservices with Docker.
- POS System: Delivered APIs for transactions, stock, and customer management, including PDF generation, email notifications, and rollback-safe data sync services.
- Search Engine: Implemented Algolia integration for fast product search and filtering, significantly improving query accuracy and speed.

## Education Level

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- Top 10 Finalist in the Hackfest organized by Google Developer Student Indonesia, competing against over 700 teams.
- Thesis: Comprehensive Observability Integration Using Logs, Metrics, and Tracing to Enhance Reliability and Scalability of Backend Systems

## Organisational Experience

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### **Micro IT - IPB Vocational School**

Feb 2023 - Nov 2023

#### *Head of Software, Hardware, and Networking Division (SHN)*

- Led the SHN division within the MICRO IT organization, focusing on strengthening team membership and enhancing the skills of members through targeted training programs.
- Organized and conducted various workshops and training sessions to improve technical proficiency in software, hardware, and networking among division members.
- Collaborated with other divisions to contribute to the overall growth and development of the MICRO IT organization.

## Project

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- **Projects** (2024): Maintained the ODRPLAT website using Express.js and MongoDB.
- **Open Source** (2024): Golang library designed for managing connections to a database using the sqlx package. It provides a simple and efficient way to handle database connections, execute queries, and manage transactions.
- **Projects** (2023): Developed the backend for the Sekolah Penggerak program under the Indonesian Ministry of Education and Culture using Golang.