

Hendrikus Yohanes Wunga

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PROFILE

Backend Developer specializing in Java (Spring Boot) and PHP (Laravel) with a Bachelor's in Informatics. Experienced in building secure backend architectures through academic projects, including e-commerce systems with OAuth2 and payment integrations. Combines software engineering with a strong networking foundation to deliver scalable and secure server-side solutions.

EDUCATION

Sanata Dharma University

Bachelor of Informatics Engineering; **GPA: 3.20/4.00**

Yogyakarta, Indonesia

Aug 2022 – Jun 2026

Relevant Coursework: Object-Oriented Programming, Computer Networks, Database Systems, Network Security, Distributed Systems, Query Language.

Actively participated in more than 7+ campus events such as webinars, seminars, and served as a campus event organizer.

SKILLS

Languages: Java, PHP, SQL, Python, JavaScript

Technologies: Spring Boot, Laravel, MySQL, PostgreSQL, Git, Docker, Maven

Networking: Routing & Switching (MikroTik), Network Security, Troubleshooting

Methodologies & OS: OOP, DevOps, CI/CD, TDD, Linux (Ubuntu)

EXPERIENCE

Sanata Dharma University

Teaching Assistant (Assistant Lecturer)

Yogyakarta, Indonesia

Jan 2026 – Jun 2026

- Appointed to manage and facilitate lab sessions across **4 classes** for **Object-Oriented Programming**, **Platform-Based Programming**, and **Machine Learning**, mentoring over **135 students**.
- Guided students through core backend concepts, including MVC architecture, database migrations, OOP design patterns, and model evaluation.
- Evaluated weekly coding submissions and provided technical feedback to enforce clean code principles and optimized algorithms.
- Collaborated with faculty members to develop practical curriculum materials, including lab modules and hands-on coding challenges.

AWARDS & ACHIEVEMENTS

University-Level Winner (PKM 2025): Selected proposal for the Student Creativity Program (PKM) titled "Sistem Manajemen Parkir Cerdas Berbasis Fuzzy Logic dan OCR". (May 2025)

Data Science Competition (GAMMAFEST 2024): National-level participant in the Data Science Competition organized by IPB University. (May 2024)

PROJECTS

Network Algorithm Research – Delay-Tolerant Networking | Java, Linux, OOP

Jan 2025 – Jan 2026

- Developed and optimized custom routing algorithms in Java to improve data delivery success rates in unstable network environments.
- Analyzed network performance by simulating intermittent connectivity, focusing on buffer management and message Time-to-Live (TTL).
- Applied advanced OOP principles to modify simulator core logic, achieving a 12-15% improvement in simulation performance.

Spring Boot E-Commerce Backend | *Java 17, Spring Boot 3, OAuth2, Stripe, Docker* Sep 2024 – Oct 2024

- Architected a secure backend with OAuth2 authentication and Stripe payment integration, implementing Authorization Code and Refresh Token flows.
- Orchestrated a multi-container environment using Docker Compose, ensuring consistent deployment across development and production.
- Exposed 20+ RESTful API endpoints documented with Swagger UI for standardized frontend integration.

Book Social Network – RESTful API | *Java, Spring Boot, PostgreSQL, JWT* Jul 2024 – Aug 2024

- Developed a scalable social platform backend with Role-Based Access Control (RBAC) for Admin, User, and Moderator roles.
- Built a secure authentication system with JWT tokens and automated email verification workflows using MailDev.
- Implemented efficient data retrieval with paginated API responses to reduce server load and improve response times.

Farmart – Agricultural Marketplace | *Laravel, PHP, MySQL* Feb 2024 – May 2024

- Collaborated in a 5-person team, focusing on server-side logic and database management for a B2C agricultural marketplace.
- Optimized database queries and implemented caching strategies to significantly reduce average API response times.
- Designed a robust database schema to handle complex product relations and multiple concurrent demo accounts.

CERTIFICATES

Java Spring Boot: Professional eCommerce Masterclass | *Udemy*

- Focused on Microservices Architecture, Service Discovery, API Gateway, and Distributed Tracing.

Java Masterclass 2025: 130+ Hours of Expert Lessons | *Udemy*

- Advanced Java, Multithreading, Design Patterns, and JPA/Hibernate.

Master Microservices with Spring Boot and Spring Cloud | *Udemy*

- Production-grade development focusing on Spring Security and Payment Integration.

LEADERSHIP & ACTIVITIES

Informatics Student Association (HMIF)

Yogyakarta, Indonesia

Membership Development Division

Nov 2022 – Nov 2023

- Coordinated orientation programs for 100+ new members, ensuring alignment with organizational goals and values.

Student Election Commission (KPU Fakultas)

Yogyakarta, Indonesia

Campaign Division

Nov 2023

- Led campaign strategy and coordination, increasing student voter participation by 30% in faculty elections.