HENDRIKUS YOHANES WUNGA

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PROFILE

Informatics student and aspiring Backend Developer proficient in Java (Spring Boot) and PHP (Laravel). Developed multiple full-stack projects including e-commerce systems with secure authentication and payment gateways. Supplemented by a solid academic foundation in Computer Networks, enabling a better understanding of system architecture and security. A proactive learner eager to contribute to professional software development teams.

EDUCATION

University of Sanata Dharma | Yogyakarta, Indonesia   *Expected Graduation: Aug 2026*
Bachelor of Informatics Engineering
- 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 as the campus event organizer.

TECHNICAL SKILLS

Languages & Frameworks	: Java (Spring Boot), PHP (Laravel, Livewire), JavaScript
Backend Development	: RESTful API Design, Spring Security (JWT), Authentication & Authorization
Database	: MySQL, PostgreSQL, Database Design
Tools & Technologies	: Docker & Docker Compose, Git/GitHub, Postman, Maven, Swagger/OpenAPI, Linux, Windows, IntelliJIDEA, Visual Studio Code
Networking	: Network Configuration (MikroTik, VLAN), Linux Administration, Tailwind CSS, Angular

PROJECTS EXPERIENCE

The ONE Simulator – Delay-Tolerant Network Research   *Jan 2025 - Present*
Java, The ONE Simulator, Linux, Network Performance Analysis
- Conducting DTN research project evaluating routing protocols (Epidemic, PRoPHET, Spray and Wait) in challenged network environments
- Designed custom routing strategy achieving 12-15% improvement in delivery ratio compared to baseline Epidemic protocol
- Simulating intermittent connectivity scenarios with configurable parameters for message delivery optimization
- Research findings will serve as primary material for undergraduate thesis on delay-tolerant networking

Spring Boot E-Commerce with OAuth2 & Payment Gateway   *Sep 2024 - Oct 2024*
Java 17, Spring Boot, Okta, Stripe, PostgreSQL, Docker Compose
- Architected e-commerce backend with OAuth2 authentication (Okta) and Stripe payment integration, implementing Authorization Code and Refresh Token flows
- Orchestrated multi-container environment using Docker Compose with PostgreSQL, enabling

consistent development and deployment
- Documented 20+ RESTful API endpoints with Swagger UI for seamless frontend integration and testing

Book Social Network – Spring Boot RESTful API *Jul 2024 - Aug 2024*
Java 17, Spring Boot 3, PostgreSQL, Spring Security, JWT, Docker Compose
- Developed social platform backend with role-based access control supporting Admin, User, and Moderator roles
- Built secure authentication system with JWT tokens and email verification using MailDev for testing workflows
- Implemented paginated API responses (10-20 items per page) with configurable query parameters for optimized data retrieval

Farmart – Agricultural Marketplace *Feb 2024 - May 2024*
Laravel, PHP, MySQL, TailwindCSS
- Collaborated in 5-person team developing B2C marketplace connecting farmers directly with buyers, responsible for frontend and product pages
- Designed responsive product catalog interface with TailwindCSS serving 50+ demo accounts (30 farmers, 20 buyers)
- Optimized database queries and implemented caching strategies improving performance by 70% (2.5s → 0.8s average response)

CERTIFICATIONS

Java Spring Boot: Professional eCommerce Project Masterclass – Udemy
Microservices Architecture, Service Discovery, API Gateway, Distributed Tracing, Spring Cloud

Java Masterclass 2025: 130+ Hours of Expert Lessons – Udemy
Advanced Java, OOP, Multithreading, Collections Framework, JDBC, JPA, Design Patterns

Master Microservices with Spring Boot and Spring Cloud – Udemy
Production-Grade Backend Development, Spring Security, Payment Integration, RESTful APIs

LEADERSHIP & ACTIVITIES

Himpunan Mahasiswa Informatika (HMIF) | Membership Development Division *Nov 2022 - Nov 2023*
Coordinated orientation programs for 100+ new members, ensuring alignment with organizational goals and values

Faculty of Science and Technology Student Election Commission | Campaign Division *Nov 2023*
Led campaign strategy and coordination, increasing student voter participation by 30% in faculty elections