

ABOUT ME

Results-driven **Backend Developer & Technical Consultant** skilled in bridging the gap between complex business requirements and robust technical solutions. Leveraging deep expertise in **Java (Spring Boot)** and system architecture, I excel at translating client needs into secure, scalable, and high-performance RESTful APIs. Possesses a deep technical understanding of **network security** and **infrastructure deployment** (Docker, Linux), ensuring robust server-side solutions optimized for production environments. Combines strong analytical problem-solving and mentoring experience to drive collaborative team success and deliver production-ready infrastructure.

EXPERIENCE

Sanata Dharma University <i>Teaching Assistant (Assistant Lecturer)</i>	Yogyakarta, Indonesia; On-site 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.	
Freelance <i>System Analyst & Database Architect</i>	NTT, Indonesia; Remote Jul 2025 – Dec 2025
- Consulted directly with local business clients to translate complex operational requirements into comprehensive technical specifications and system workflows. - Designed robust database schemas, Entity-Relationship Diagrams (ERD), and activity diagrams to optimize data flow and system logic before implementation. - Architected secure RESTful API blueprints and access control models (RBAC) aligned with enterprise security and business standards. - Provided strategic technical advisory on server infrastructure and deployment readiness, bridging non-technical stakeholder needs with developer execution.	

OTHER NOTABLE PROJECTS

Spring Boot E-Commerce Backend <i>Java 17, Spring Boot 3, OAuth2, Stripe, Docker</i>	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 <i>Java, Spring Boot, PostgreSQL, JWT</i>	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.	
Enterprise Network Topology Simulation <i>GNS3, Cisco IOS, Routing & Switching</i>	Feb 2026 – Apr 2026
- Designed and implemented a complex enterprise-grade network topology using GNS3 to simulate real-world connectivity. - Configured Cisco routers and switches with OSPF, VLANs, and Inter-VLAN routing to ensure secure and efficient data traffic. - Performed troubleshooting and network performance analysis to optimize bandwidth allocation and reduce bottleneck latency.	

- 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.

SKILLS

Backend Development: Java (Spring Boot), RESTful API, OAuth2, JWT
Database & Storage: MySQL, PostgreSQL, Query Optimization
Infrastructure & DevOps: Docker, Linux (Ubuntu), CI/CD, Git, GitHub
Networking & Security: Cisco IOS, GNS3, OSPF, VLAN, Network Security, Troubleshooting

EDUCATION

Sanata Dharma University

Yogyakarta, Indonesia

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

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.

HONORS AND AWARDS

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

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

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.