



# DIMAS TRI MULYA SAPUTRO

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## PROFIL

I am a Software Engineer with approximately 4+ years of experience in backend development using Java, specifically the Spring Boot and Quarkus frameworks. I have experience in microservices development, bug fixing, and feature and report development for enterprise systems.

I have a strong understanding of PostgreSQL, Kafka, Redis, gRPC, and Docker to support backend application development. I currently work as a Software Engineer at PLN and am currently studying at Kampus Pranata Indonesia.

## TECHNICAL ABILITY

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- **Bahasa Pemrograman:** Java
- **Backend Frameworks:** Spring Boot, Spring Data JPA, Hibernate, MyBatis, Spring Security, Spring Cloud (Eureka, Gateway), JSP.
- **Komunikasi Antar-layanan:** REST API, gRPC, Apache Kafka (Event-driven Messaging).
- **Database:** MySQL, PostgreSQL, Oracle.
- **DevOps & Containerization:** Docker, Docker Compose.
- **Cloud Services:** AWS S3.
- **Libraries & Tools:** Lombok, JasperReports, Transaction Management.
- **Version Control & Project Management:** Git (GitHub, GitLab, Bitbucket), Jira.
- **Development & Testing Tools:** IntelliJ IDEA, NetBeans, Visual Studio Code, Postman, Swagger, DBeaver, iReport.
- **Arsitektur Sistem:** Monolith, Microservices.

## WORK EXPERIENCE

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### Senior Software Engineer

Oktober 2025 - Juni 2026

#### PT Mitra Utama Solusi Telematika

- Migrated Oracle PL/SQL functions to the Java Quarkus implementation to improve system maintainability.
- Developed a gRPC service for inter-service communication in a microservices environment.
- Building a Redis Pub/Sub-based scheduler to trigger data processing and prevent endless loops when no data is available.
- Developed a REST API for consumption by client services and other internal modules.
- Implemented an Apache Kafka producer to enable asynchronous event-based communication between modules.
- Created an XLS export feature using Java Quarkus for operational reporting needs.
- Contributed to the design of the Backend for Frontend (BFF) architecture to optimize frontend-backend integration.
- Developed authentication and login features for operational staff and PIC users.
- Integrated external APIs by consuming third-party endpoints within internal services.

- Provided guidance and mentoring to junior developers, assisting with code reviews, troubleshooting, and knowledge sharing to improve team performance.

## **Java Developer PT Kloverkres Solusi Integrasi**

**Mei 2023 - September 2025**

### **Application Capricorn**

- Database & API design: Sales Order, Upload Salesman (S3), Reporting, Invoice, Accounts Payable, Inventory
- AWS S3 Integration
- Security: JWT, RBAC, password hashing
- Performance optimization (query tuning, caching, pagination)
- Docker Deployment + Bitbucket CI/CD
- Server monitoring & logging (Actuator, Logback)

### **Application Natamas**

- Reporting improvements and optimization (Delivery Orders, Goods Usage)
- SPK & SPK-D flow management
- GlassFish Deployment
- Manual Testing & QA: Checking the application's business flow with positive and negative scenarios to ensure the process runs as expected.

### **Application Teknindo**

- Database design & optimization (MyBatis + MySQL)
- Main APIs: PO, Invoice, DPPB, COGS, Request Information, Warehouse Information, User Information, and Bank Information
- Security: JWT, RBAC, password hashing
- Performance optimization (query tuning, caching, pagination)
- Docker deployment + Bitbucket CI/CD
- Monitoring & logging (Actuator, Logback)

## **Junior Java Developer PT Solusi Transforma Teknologi**

**September 2023 - Desember 2023**

### **Module CEISA – Direktorat Bea dan Cukai**

Architecture: Microservices

Tech Stack: Spring Boot, RestTemplate, MyBatis, Oracle → PostgreSQL, Docker, SonarQube.

#### **Job Summary:**

Development of Virtual Account modules (BNI & Mandiri) including creation, status checking, and transaction cancellation. Creation of RESTful endpoints for bank integration, management of automated processes with Task Scheduler, and query migration from Oracle to PostgreSQL.

#### **Short Workflow:**

VA creation → Automated process scheduler → Bank integration & verification → Database migration.

**Java Developer**  
**PT Negeri Emas Perkasa**

**Desember 2022 - Mei 2023**

### **Application PDIS – Property Database Integrated System**

**Job Description:**

Bug fixes in the Stock Opname module to ensure inventory data accuracy. Development and maintenance of the PIC Key module for managing key holders at each branch, including the process for reporting unusable property and procuring replacements.

**Short Workflow:**

Key holders per branch → Property condition report → Replacement procurement process.

**Backend Java Developer**  
**PT Prawathiya Karsa Pradiptha**

**Desember 2021 - Desember 2022**

### **Application Microfinance & FMUI**

**Job Description:**

Microfinance: Development of a Due Date Change module to process loan repayment schedule change requests according to policy, including verification, data updates, and user notifications.

FMUI: A late payment recording feature that monitors transactions, records delays, sends notifications, and triggers follow-up actions such as warnings or access restrictions.

### **EDUCATION**

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**Sistem Informasi | STMIK Pranata Indonesia**

**2021 - 2026**

● **IPK 3.15 / 4.00**