Irfan Kurniawan, Software Engineer
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Software Engineer with 4 years of experience building and delivering enterprise-scale systems. Passionate about writing clean, maintainable code and solving complex technical challenges. Strong collaborator who thrives in cross-functional Agile teams, with a focus on scalability, reliability, and continuous improvement.

Working Skills

Technical: Java Spring Boot, Typescript, Angular, MySQL, PostgreSQL, SQL Server
Language: Indonesian (Native Speaker), English (Working-level Speaker)

Experience

Lawencon International (Placement: Bank BTPN) Jakarta, Indonesia
Software Engineer (Retail Banking - Operations)
Maret 2023 – Februari 2025
Served as Software Engineer in the Operations & Technology Directorate, developing and delivering scalable enterprise applications that streamline operational workflows. Collaborated across Agile squads to ensure quality and timely delivery.
Notable achievement:

- **Archive Report Management System (ARMS)**
  - Web-based platform for end-to-end tracking of branch document boxes, providing real-time monitoring and searchable transaction history across internal and vendor storage systems.
  - Executed a full tech-refresh across 15+ microservices, upgrading the stack from Spring Boot 1.x to Spring Boot 2.x. and Angular 7 to Angular 12. Delivered with zero-downtime rollover
  - *Tech Stack: Spring Boot, Angular, MySQL*

Sinar Jernih Suskesindo (Placement: Bank SMBC Indonesia Tbk.) Jakarta, Indonesia
Software Engineer (Retail Banking - Operations)
Maret 2025 – Current
Served as Software Engineer in the Operations & Technology Directorate, developing and delivering few scalable enterprise applications that streamline operational workflows. Collaborated across Agile squads to ensure quality and timely delivery.
Notable achievement:

- **Collateral Management Document System**
  - End-to-end collateral document lifecycle platform supporting custody verification, digital archival, and branch-level operational workflows.
  - Executed a full tech-refresh across 23 microservices, upgrading the stack from Java 8/Spring Boot 2.x to Java 21/Spring Boot 3.x, Angular 7 to Angular 20 and migrating MySQL 5.7 to 8.0 for datasets exceeding 20M rows. Delivered with zero-downtime rollover
  - Co-designed and developed a handheld RFID tracking system within the apps, utilizing WebSocket-based streaming and Redis in-memory caching for real-time inventory status updates. This effort cut the stock-recap cycle from ~3 months down to ~2 weeks.
  - *Tech Stack: Spring Boot, Angular, Android, Kafka, MySQL*

- **SEIRI**
    - Designed and developed a booking management system that replaced the previous manual email-based reservation process, featuring real-time seat availability, automated scheduling, and instant confirmation. This initiative streamlined the booking workflow from days of back-and-forth emails to minutes through self-service.
    - *Tech Stack: Spring Boot, Angular, TailwindCSS, Kafka, MySQL*

Education

Universitas Bina Darma — Palembang, Indonesia
Computer Science — Maret 2021