Muhammad Raditya Hanif

ferdar7@gmail.com | linkedin.com/in/muhammad-raditya-hanif | https://github.com/radityahnf

Backend Software Engineer experienced in building reliable Java/Spring Boot services for production systems. Skilled in distributed systems, AWS, event-driven architecture, database optimization, observability, and scalable backend design.

EXPERIENCE

Backend Software Engineer Nov 2025 – Present

Traveloka, South Tangerang

- Owned the end-to-end revamp of Travel Activities' affiliate management system, redesigned data models, APIs, authorization flows, migration logic, and a validation workflow.
- Extended the supplier payment system with a Payment-Per-Redemption model for voucher redemptions and hardened the flow against duplicate redemption through SQS deduplication, database unique constraints, and invoice-state validation.
- Designed an automated archival pipeline for database tables, using EventBridge, AWS Lambda, Glue, and S3 to periodically archive historical data and reduce the active table size by approximately 90%.
- Improved database reliability by building automated protection against long-running SQL queries that could exhaust the connection pool and cause transaction failures; offending queries are terminated and reported to Lark for subsequent investigation and optimization.
- Modernized AWS integrations by migrating SQS, SNS, and S3 flows from AWS SDK v1 to v2, using feature-controlled rollout and compatibility testing to reduce migration risk.

Full Stack Developer Aug 2025 – Nov 2025

PT Odoo Software Indonesia, Tangerang

- Built and customized Odoo-based business applications using Python, PostgreSQL, and XML views to support client-specific workflows across sales, operations, and reporting modules.
- Translated client requirements into custom Odoo modules, business logic, and workflow improvements deployed on Odoo's cloud platform.

Backend Engineer Intern Feb 2025 – Aug 2025

PT Tumbuh Bersama Nano, Jakarta

- Improved backend performance and scalability in Java/Spring Boot services by refactoring service logic and optimizing data access patterns.
- Implemented Redis caching for frequently accessed backend data, reducing repeated database calls and improving API response times.
- Integrated RabbitMQ-based asynchronous messaging to decouple service communication and improve reliability of backend event processing.

Software Quality Assurance Intern May 2024 – Feb 2025

PT Global Tiket Network, Jakarta

- Created and maintained structured manual test cases in TestRail for web and mobile transportation features.
- Built and maintained API and UI automation tests using Java, Selenium, and TestNG, improving regression coverage for core transportation flows.

EDUCATION

Bachelor of Computer Science Aug 2021 – Jul 2025

University of Indonesia, Jakarta