Ahmad Leo Yudanto

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Senior Backend Engineer

Backend engineer with nearly ten years of building and testing software, the last five on production backends for e-commerce and accounting SaaS. Started as an SDET and still designs for testability first. Currently leads a promo squad on Klik Indomaret, where Kafka consumer fixes cut Kubernetes pods from 200 to 30 and unit test coverage went from 0–15% to over 90%.

EXPERIENCE

Senior Backend Engineer · EDTS (Klik Indomaret)

Jun 2025 – present

- Platform scale: ~90k orders/day, peaks of 500k/day on campaign days (~11M orders per quarter).
- Lead a three-person squad across promo, cart, catalog and order services. Delivered Free Gift (Hadiah Gratis; 2.5M orders and 6.5M free items in its first year), non-base to base promo migration and paired-product exclusion on schedule with no weekend or overtime work.
- Fixed recurring Kafka rebalancing and consumer lag (StickyAssignor, poll interval and batch tuning, record-level acks, one thread per partition, OOM fix, idempotent consumption, dead-letter topic). Cut Kubernetes pods on affected services from 200 to 30 (−85%).
- Introduced unit testing with JaCoCo and SonarQube in CI/CD. Raised coverage from 0–15% to 90%+ on every service in scope.
- Built AI-assisted engineering for the team: written rules plus Claude Code skills for test writing, PR review, merge-conflict resolution and data-driven debugging. Adopted by the whole squad.
- ~1,240 commits across 20 services in 16 months.

`Java · Spring Boot · PostgreSQL · Kafka · Redis · Elasticsearch · Kubernetes (GKE) · GCP`

Career break

Jan – May 2025

Studied Japanese full time (material up to N3); studied data structures, algorithms and Kafka.

Mekari (Jurnal) · SDET → Senior SDET → Software Engineer 1 → 2

Dec 2019 – Dec 2024

- **Software Engineer 1–2 (Nov 2021 – Dec 2024):** built and maintained Jurnal integrations for bank statements, e-commerce marketplaces, Moka POS and supply chain, plus accounting features. Resolved long-standing integration issues others avoided.
- **SDET / Senior SDET (Dec 2019 – Nov 2021):** built web and API automation frameworks covering 1,300+ web scenarios (3,000+ test cases) and 1,000+ API scenarios; JMeter load testing; Docker/Jenkins pipelines; automation dashboard in Rails; mentored and interviewed testers.

`Java · Go · Ruby on Rails · Vue/Nuxt · Kafka · RabbitMQ · MongoDB · MySQL · Elasticsearch · AWS · Kubernetes · ArgoCD · Datadog · Sentry`

Earlier roles

2015 – 2019

Associate SDET, Blibli.com (2019) · Web Developer, Gloding Inc (2016–2018, Java Server Faces) · Back-End Developer, Gumcode (2016–2017, Laravel APIs for mobile apps) · Front-End intern, PT Javan Cipta Solusi (2015)

SKILLS

Backend: Java 8–17, Spring Boot, Go, Ruby on Rails, Laravel

Data: PostgreSQL, MySQL, MongoDB, Redis, Elasticsearch

Quality: JUnit 5, Mockito, JaCoCo, SonarQube, Selenium, JMeter, Postman

Messaging: Kafka, RabbitMQ, Sidekiq

Platform: Kubernetes (GKE), Docker, GCP, AWS, ArgoCD, Jenkins

Observability & AI: Datadog, Sentry, Zipkin, Claude Code

EDUCATION, LANGUAGES, CERTIFICATIONS

B.Sc. Information Technology, Universitas Brawijaya (2012–2017)

Languages: Indonesian (native), English (C1, EF SET 67), Japanese (basic, self-taught; preparing for JLPT N4)

Certifications: HackerRank Software Engineer (2025), EF SET C1 (2025)

Courses: Kafka with Spring Boot (2023), DS & Algorithms (2025), Docker & Kubernetes (2025)