

Andika Kandrianto

Software Engineer

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Software Engineer with 7+ years of experience building fintech, payments, logistics, and enterprise systems using Go and Ruby on Rails. Experienced in distributed backend services, authentication, database and messaging migrations, observability, performance optimization, and production reliability across OCBC Indonesia, Tokopedia, and Nutrifood.

Work Experience

Software Engineer – OCBC Indonesia | November 2023 – Present

- Rebuilt user and authentication services to support flexible access control policies and improve security across merchant-facing systems.
- Led the migration from NATS to RabbitMQ, improving reliability, observability, and scalability across event-driven services.
- Digitized the OCBC Merchant onboarding process by replacing manual forms with a digital system, streamlining merchant activation and improving operational efficiency.
- Integrated QRIS (Quick Response Code Indonesian Standard) Dynamic through a third-party provider to support real-time QR code generation and payment notifications.

Software Engineer – Tokopedia | November 2021 – October 2023

- Led the migration of a service database from MySQL to PostgreSQL, improving performance and long-term maintainability.
- Designed and built a cross-docking service and centralized shipping management system to improve fulfillment coordination, warehouse routing, and shipment tracking.
- Migrated logging, custom metrics, and APM to New Relic, improving observability, troubleshooting efficiency, and production monitoring.
- Designed, developed, and maintained Go-based fintech services using clean architecture principles to improve modularity, testability, and maintainability.

Software Developer – Nutrifood | April 2019 – October 2021

- Led the migration of 50+ Ruby on Rails applications to a new Linux-based on-premise environment and implemented Capistrano to replace manual deployments.
- Improved a legacy application's performance by refactoring database queries and backend code, reducing load times from over 30 seconds to under 2 seconds.
- Built and maintained Ruby on Rails applications for finance, sales, and manufacturing teams, streamlining daily operations and improving productivity.
- Managed GitLab deployments and upgrades to maintain system security, stability, and reliability while supporting repositories and code reviews.
- Mentored interns through regular feedback, one-on-one sessions, and code reviews.

Software Developer Intern – Nutrifood | February 2018 – February 2019

- Developed and supported internal Ruby on Rails applications.

Technical Skills

- **Languages:** Go, Ruby, Ruby on Rails, PHP, JavaScript, Node.js
- **Databases & Storage:** PostgreSQL, MySQL, SQL Server, Redis, MongoDB, Elasticsearch
- **Messaging:** RabbitMQ, NSQ, NATS
- **Tools & Platforms:** Linux, Docker, New Relic, GitLab, GitHub

Education

Bachelor of Computer Science – Bina Nusantara University | September 2015 – April 2019

GPA 3.60 / 4.00 | Major in Artificial Intelligence