

Michael Ryan

Engineering Lead, Platform & Data

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SUMMARY

Engineering lead and staff-level engineer with 10+ years building platform and data systems, the last 6+ leading teams of up to ten. I hire, mentor and set delivery cadence while staying close enough to the code to be useful in a design review. Strongest where reliability, developer experience and delivery pace meet.

SKILLS

Leadership: team leadership, hiring and mentoring, delivery cadence, stakeholder management

Languages: Go, Ruby, Python, Kotlin, SQL

Platform: GCP, Kubernetes, Docker, Terraform, CI/CD

Data: BigQuery, Kafka, dbt, PostgreSQL

EXPERIENCE

Staff Engineer

Feb 2025 – present

PT Dkatalis Digital Lab, Auckland, remote to Jakarta (Full-time)

- Owned end-to-end delivery of a new payroll system, now live in production and adopted by customers.
- Architected the database layer for a Google Drive–style access management system, integrating Ory for auth and authorisation.
- Improved engineer onboarding clarity and bootstrapped a knowledge-sharing session that grew into a recurring tribe-level event.

Engineering Manager / Tech Lead (Hands-On)

Oct 2022 – Dec 2024

Govtech Edu Indonesia, Jakarta, Indonesia (Full-time)

- Led a re-architecture from PostgreSQL to BigQuery and implemented a message broker, improving data quality from 80% to 92% while reducing latency.
- Improved team delivery by shifting the sprint cycle from 2 weeks to 1 week, leading to quicker project delivery and better collaboration.

Engineering Manager (Hands-On)

Apr 2021 – Oct 2022

Bukalapak.com, Jakarta, Indonesia (Full-time)

- Led a team of 8 engineers managing the marketplace seller platform at 100–300 RPS using Ruby, Golang, and GCP.
- Led the ClickHouse project, reducing MySQL query times from constant timeouts to under 1 second.

EXPERIENCE (CONTINUED)

Technical Lead (Hands-On)

July 2019 – Apr 2021

Bukalapak.com, Jakarta, Indonesia (Full-time)

- Led a task force of 6 senior engineers to transition seller membership from subscription-based to fee-based within one week with zero incidents.
- Mentored 3 junior engineers, all of whom advanced to mid-level within one year.

Software Engineer

Mar 2017 – July 2019

Bukalapak.com, Jakarta, Indonesia (Full-time)

- Achieved a 99% SLO by implementing proper monitoring, alerting, and testing procedures.

Software Developer

Apr 2015 – Mar 2017

Liberty Jaya, Jakarta, Indonesia (Full-time)

- Developed and maintained internal tools to support business operations of clients, improving workflow efficiency and automation.

PROJECTS

Flick

Active

High-throughput feature-flag service: roll out to a deterministic % of users without a deploy.

Go, gRPC, REST

JsonTool

Active

Client-side JSON toolkit: beautify, minify, filter, and convert to CSV. Zero dependencies.

HTML, JavaScript

Local LLM Workbench

Active

Research and testing harness for running and evaluating self-hosted LLMs.

Python, Ollama

EDUCATION

S. TI (BSc) Computer Science, Bina Nusantara, Indonesia

2011 – 2015