

Hello

I'm Michael Putera Wardana

(+62) 822-3489-0710

michaelputeraw@gmail.com

<https://krobot.my.id>

<https://www.linkedin.com/in/michael-putera-wardana/>

About

I specialize in backend engineering with **2+ year** experience and i'm focus on **Golang**. I have experience in **JavaScript**, TypeScript, and working with **gRPC**, **GraphQL**, and **REST APIs**. I am skilled in distributed systems, **microservices**, and have DevOps proficiency in **Linux**, **Kubernetes**, **Helm charts**, and monitoring. Passionate about coding and staying updated with industry trends. Excited to contribute to building robust and scalable systems.

Experience

OCT 2023 - PRESENT

Redikru, Jakarta (Hybrid) - Technical Architect

- Design and improve project architecture
- Help to resolve any issue on the engineering side or even the product side
- Fix or help other engineers to resolve tech debt
- Develop internal tooling to improve engineering productivity
- Works with DevOps, FE, QA, PO, and BD to get insight and improve our services

JUN 2023 - OCT 2023

Redikru, Jakarta (Hybrid) - Backend Engineer

- Improve service performance to handle high concurrent users (p95 under 500ms and 1000+ Rps with single node)
- Implement worker mechanism with Asynq to handle asynchronous task
- Improve database migration system with goose
- Improve our go memory allocation with better JSON encoder/decoder and setup auto reorder field alignment in CI/CD
- Implement i18n for backend services
- Improve our cluster network performance with Brotli and Gzip compression
- Improve our searching endpoint with OpenSearch implementation
- Adjustment kubernetes resource allocation for all backend services to saving infra cost
- Optimize http requester with conn pool
- Implement database connection pool
- Setup HA for all backend services
- Implement rate limiter
- Improve OCR flow
- Raise security awareness for tech teams

LAST UPDATED: 04-07-2024

- Develop feature for Redikru app both web and mobile
- Design communication between services with gRPC
- Implement APM and error monitoring (sentry) to our backend services
- Implement request encryption for sensitive endpoints
- Implement asset watermark for crew data
- Improve our registration process with CV extractor
- Introduce circuit breaker mechanism
- Works with DevOps, FE, QA, PO, and BD to get insight and improve our services

AUG 2022 - JAN 2023

kumparan, Jakarta (Remote) - Backend Engineer Intern

- Upgrade gorm version to improve code stability for kumparan services
- Refactor service structure to improve maintainability
- Develop archive feature for media type audio
- Help to implement cache failover
- Improve indexer with bulk index and concurrency to increase opensearch indexer speed
- Develop "baca nanti" feature for final project with other interns
- Improve kumparan push notification with action button
- Improve caching with redis pipeline
- Improve sentry monitoring with release health for kumparan services
- Improve database monitoring with service tag

SEPT 2021 - FEB 2022

TaniFund, Jakarta (Remote) - Backend Engineer Intern

- Help to migrate endpoint to the new internal dashboard
- Help to develop new features
- Increase code coverage with unit test
- Help to update API documentation
- Help to improve apply loan process
- Design database and migration
- Help to implement Google SSO for mitra.tanifund.com
- Create a new service to provide a dynamic partner logo
- Help fix security issues

Education

AUG 2019 - SEP 2023

Telkom University, Bandung - Bachelor Degree

GPA: 3.75

Awards

- 2nd Place Closer 8th Hackathon Competition (NOV 2022)
- 3rd Place CTF By Forensic and Security Laboratory Telkom University (MAR 2021)

LAST UPDATED: 04-07-2024