Ikbal Mulyadi

Senior Full Stack Engineer (Backend-focused)

Tangerang, Banten, Indonesia (GMT+7) | Open to remote | +62 812-8098-1788 | ikblmul@gmail.com | github.com/ikblmul | linkedin.com/in/ikbal-mulyadi-088118241

Summary

Backend-focused full stack engineer with 5+ years building and running production systems in Node.js, TypeScript and Laravel, with React and Next.js on the frontend and automated tests in Jest and PHPUnit. Led a backend department through a monolith-to-microservices migration that cut API response time by nearly 90%. Recent work covers OpenID Connect authentication, event-driven services on RabbitMQ, payment and logistics integrations, and multi-region e-commerce. Uses AI coding agents in daily delivery to automate ticket-to-review workflows.

Technical Skills

- **Languages:** TypeScript, JavaScript, PHP, Python, SQL, Bash
- **Backend:** Node.js, NestJS, Express.js, Laravel, Sequelize, Joi, REST APIs, Stripe payment integration, microservices, event-driven architecture
- **Authentication and security:** OpenID Connect (OIDC), OAuth 2.0, JWT, single sign-on (SSO), back-channel logout, rate limiting
- **Databases and search:** PostgreSQL, MySQL, SQLite, MongoDB, Redis, Elasticsearch, Meilisearch
- **Messaging:** RabbitMQ, Kafka, dead letter queues
- **Frontend:** React, Next.js, Tailwind CSS, Blade, Figma
- **DevOps and tooling:** Docker, Linux, Git, Jira, Firebase Remote Config (feature flags)
- **AI:** Claude, AI agent workflows, Ollama
- **Practices:** system design, database design (ERD), SOLID, clean architecture, code review, automated testing (Jest, PHPUnit)

Work Experience

Senior Full Stack Engineer | Labamu

May 2026 – Present | Tangerang, Indonesia (Hybrid)

- Designed and built a new authentication service on the OpenID Connect standard, replacing the previous auth system and integrating relying party applications.
- Implemented OIDC back-channel logout and support for multiple authentication data sources.
- Hardened authentication endpoints with rate limiting, retry limits and exponential backoff.
- Built globalization for the e-commerce platform with configurable timezone, language, currency and tax settings.
- Extended the existing catalog system to support multi-level catalogs.
- Integrated the Lalamove API for shipping and a payment gateway for checkout.
- Developed microservices in Node.js and NestJS communicating over REST and RabbitMQ, with dead letter queues to capture and track failed messages.
- Implemented cache-based configuration and feature flags with Firebase Remote Config for controlled releases.
- Built frontend features with React and Next.js and wrote automated tests for Node.js services with Jest.
- Built an AI-assisted delivery workflow with Claude that reads a Jira ticket, implements the change, reviews it and repeats until acceptance criteria are met.

Backend Department Lead | PT Falah Inovasi Teknologi

Dec 2023 – Apr 2026 | Indonesia

- Led the backend team: broke product requests into features, designed the systems behind them and selected the tech stack.
- Migrated a monolithic system to a microservices architecture.
- Reduced API response time by nearly 90%.
- Introduced event-driven communication between services, achieving loose coupling.
- Built internal tooling, including an ERP system for the software division.
- Ran code reviews, removed dead code and led discussions on efficiency and maintainability.
- Researched and evaluated new technologies to speed up application development.
- Maintained backend systems across staging and production environments.

Backend Developer | PT Falah Inovasi Teknologi

Aug 2021 – Nov 2023 | Indonesia

- Developed web applications with Laravel and PostgreSQL.

- Implemented single sign-on with OpenID Connect and token-based authentication with OAuth 2.0 and JWT.
- Built scheduled job (cron) systems and Redis caching.
- Wrote automated tests for Laravel applications with PHPUnit.
- Created reusable custom libraries for project needs.
- Designed database schemas and entity relationship diagrams (ERDs).
- Built web interfaces with Blade templates.

Freelance Software Engineer | Self-employed

2020 – Present | Remote

- Deliver backend, frontend and UI/UX work for client websites and web applications, from requirements to deployment.
- Work directly with clients on scope, design and delivery.

Projects

- **Memokolor** (full stack, ongoing): designed and built the backend, frontend and UI/UX using microservices and clean architecture.
- **Bidder Online** (backend, ongoing): TypeScript backend service; own feature analysis, ERDs and architecture diagrams for a microservices design.
- **nugsstudio.com** (frontend, 1.5 months): responsive marketing site built with Next.js, Tailwind CSS and Motion animations.
- **wnlaw.net** (frontend, 1 month): responsive law firm website built with Next.js, Tailwind CSS and Motion animations.

Education

Tridharma High School

Courses

- Node.js (Udemy)
- Go (Udemy)
- TypeScript (Udemy)