DANI HIDAYAT

Principal Laravel Architect | Multi-Tenant SaaS & Financial Systems Engineer

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PROFESSIONAL SUMMARY

Principal-level Laravel Architect specializing in high-performance multi-tenant SaaS systems built using strict database-per-tenant architecture.

Extensive experience designing financial-grade infrastructures, hybrid payment orchestration (fiat and crypto), and production-validated enterprise systems. Proven ability to architect scalable platforms with strong tenant isolation, real-time processing, and long-term maintainability.

Core strength: deep Laravel ecosystem expertise combined with real-world, business-backed production systems.

TECHNICAL EXPERTISE

Architecture & Systems Design

- Database-per-tenant multi-tenancy (Stancl Tenancy)
- Clean Architecture & SOLID principles
- Event-driven and queue-based systems
- Tenant lifecycle management
- Real-time systems (Laravel Reverb)

Backend Engineering

- PHP 8.4 (Laravel 12 Expert)
- RESTful & GraphQL APIs
- Redis (advanced caching and queue isolation)
- RabbitMQ
- PostgreSQL, MySQL

Financial Systems

- Hybrid payment gateway orchestration (Xendit, Midtrans, BTCPayServer)
- Automated reconciliation pipelines
- Recurring billing systems
- Multi-currency ledger implementation

Infrastructure & Observability

- Dockerized environments
- CI/CD pipelines (GitHub / GitLab)
- Prometheus-based monitoring
- IoT integration (Tuya API)

Quality Engineering

- Test-Driven Development (PestPHP, PHPUnit)
- Automated tenant lifecycle testing

PROFESSIONAL EXPERIENCE

SaaS Architect & Founder | Quikpl

2024 – Present

Architect and lead engineer of a multi-tenant SaaS platform built with strict database-per-tenant isolation.

Key Contributions:

- Designed full isolation architecture using Stancl Tenancy to ensure enterprise-grade data segregation.
- Built hybrid payment infrastructure integrating Xendit and BTCPayServer.
- Automated thousands of monthly payment reconciliations through event-driven pipelines.
- Developed cluster-level administrative dashboards using Filament v4.
- Implemented Redis-backed queue optimization and Prometheus-based monitoring.
- Validated architecture through live operational workloads (Selaras Pilates).

Technical Lead & Owner | MN Chicken Farm

2022 – Present

Designed and implemented a data-driven AgriTech system integrating IoT and operational analytics.

Key Contributions:

- Integrated Tuya IoT API for real-time CCTV and environmental sensor monitoring.
- Engineered automated FCR (Feed Conversion Ratio) calculation modules.
- Built operational dashboards for population and feed consumption tracking.
- Implemented observability systems for daily performance insights.

Lead Software Engineer | Alfatih Residence

2022 – 2023

Led the digital transformation of property financial and administrative systems.

Key Contributions:

- Developed a high-precision property installment ledger system.
- Replaced manual workflows with integrated digital processes.
- Improved payment verification and unit management efficiency.

OPEN SOURCE CONTRIBUTIONS

Filament Image Optimizer

Author & Maintainer
https://github.com/danihidayatx/image-optimizer

High-performance FilamentPHP plugin for on-the-fly image optimization and resizing.

- Smart resizing and compression
- Local and S3 storage support
- Performance-focused (LCP optimization)
- Seamless Filament integration

Laravel Stancl Tenancy Starterkit

Architect & Maintainer
https://github.com/danihidayatx/tenancy-starterkit

Production-ready SaaS foundation implementing strict database-per-tenant architecture.

Includes:

- Central and tenant routing separation
- Tenant-aware jobs and queue isolation

- Billing-ready scaffold
- CI/CD-ready project structure
- Testing baseline for tenant lifecycle

ENGINEERING PHILOSOPHY

- Architecture-first mindset
- Production-validated systems over theoretical design
- Strict adherence to SOLID and Clean Architecture
- Continuous adoption of modern Laravel ecosystem standards