

DANDI TRIMAKNO

BACKEND / TECHNICAL LEAD · PHP & LARAVEL

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PROFILE

Backend Engineer with 5+ years of experience and increasing technical ownership since 2024. Frequently trusted as Project PIC / Technical Lead for teams of 2–3 developers, responsible for architecture, database/API standards, estimation, task distribution, technical review, reusable service flows, automated testing, and production support. Recently completed a layered Laravel 13 / PHP 8.5 REST API (Controller → Form Request → Service → Repository) documented with Swagger/OpenAPI.

TECHNICAL EXPERTISE

BACKEND PHP · Laravel · CodeIgniter · RESTful API · Swagger/OpenAPI · Service Layer · Repository Pattern · Form Request Validation · Modular Architecture	DATABASE MySQL · PostgreSQL · ERD · Indexing · Query Optimization · EXPLAIN · Transactions · Views · Stored Procedures
INTEGRATION JWT · Xendit · Firebase/FCM · Guzzle · External REST APIs · Two-way API Integration	PERFORMANCE Redis · Laravel Cache · PHPRedis · Query Optimization · Caching Strategy
FRONTEND HTML · CSS · Bootstrap · JavaScript · jQuery · AJAX · Vite · SCSS	TESTING & TOOLS PHPUnit · Pest · Automated Testing · Git · GitLab · Docker · CI/CD collaboration

PROFESSIONAL EXPERIENCE

PT TIME EXCELINDO — Yogyakarta, Indonesia

Web Developer | June 2021 – Present

- Frequently served as Project PIC / Technical Lead since 2024, coordinating technical execution for teams of 2–3 developers.
- Defined database schema, ERD, relationships, indexing, query optimization, API response standards, authentication/authorization, validation, error handling, caching strategy, module structure, coding conventions, and Git branching strategy.
- Estimated implementation effort, translated requirements into technical tasks, distributed work, facilitated technical discussions, and performed technical/code reviews.
- Designed reusable base flows and service/helper abstractions so developers could reuse consistent business logic and avoid duplicated implementations.
- Applied automated testing (PHPUnit/Pest) in the development workflow since early 2024, starting with VMS.
- Supported deployment and production troubleshooting, collaborating with DevOps when required.
- Remained hands-on in backend/full-stack implementation alongside lead responsibilities.

SELECTED PROJECTS

VMS — Vendor Management System · Project PIC / Lead · 2 developers · 2024

- Production system for RSAB Harapan Kita and Bank Mandiri; delivered in approximately 3–4 months.
- Owned technical direction, architecture decisions, task distribution, technical review, and deployment support.
- Applied automated testing with PHPUnit/Pest — the first project where testing became part of the development workflow.

MVP — Management Vendor PON · Project PIC / Lead · 3 developers

- Production system for Rumah Sakit Otak Nasional and Bank Mandiri; delivered in approximately 3–4 months.
- Handled technical execution, application/database structure, estimation, task distribution, and technical review.

PPIC Curug · Project PIC / Lead · 2 developers

- Led development of a dashboard-oriented academic system and coordinated technical implementation.

SIPIJAK · Project PIC / Lead · 2 developers

- Laravel 12 / PHP 8.4 public and admin application for Pemda Bekasi, including multiple administrative dashboards.
- Defined application/database architecture and coordinated development; currently in domain/production approval process.

DIGILUH · Project PIC / Lead · 2 developers

- Laravel 12 / PHP 8.4 Web + REST API application with dashboards and integrations.
- Applied modular architecture and service-oriented flow; owned technical direction for a two-developer team. Project currently on hold.

LHA · Developer / Project PIC · Web app 2024 · REST API 2026 (completed)

- Developed the web application independently in 2024, then completed its API modernization in 2026 with a new Laravel 13 / PHP 8.5 REST API and the planned migration work.
- Structured the API in layers — Controller → Form Request → Service → Repository — separating validation, business logic, and data access to keep the codebase clean and maintainable.
- Shipped Swagger/OpenAPI documentation with the deployed API as the interface/contract for API consumers, making endpoints easy to explore, test, and integrate.

DNP · Full-Stack Developer / Team Member · 4–5 developers

- Contributed to a complex Laravel 13 / PHP 8.4 modernization project involving migration, dashboard development, flow changes, reusable service abstractions, and Google Translate integration.
- Worked as a full-stack team member and created reusable base flows/helpers so other developers could use consistent implementations.

Freelance — **Sistem Informasi Kepegawaian API** · Backend Developer · May 2025 – May 2026

- Independently developed approximately 60–70 production RESTful API endpoints.
- Built two-way integration with a government personnel system using Controller → Service → Repository → Model architecture.
- Applied Redis caching to selected high-frequency endpoints and supported integrations across multiple institutions under the client.

E-Ponti API · Project PIC / Backend Developer

- Built the RESTful API from scratch and implemented Firebase Cloud Messaging for application notifications.

SIK — **Sistem Informasi Kepegawaian** · Backend Developer / Maintenance

- Production HR system used by Pusdatin with approximately 30,000–60,000 users nationwide.
- Handled maintenance, backend/API development, production troubleshooting, database optimization, and performance work on a large active database.
- Applied Redis/PHPRedis caching to frequently accessed endpoints, including SSO-related functionality.

SIManawa Apps · Backend Developer

- Built RESTful APIs with CodeIgniter/PHP and continued maintenance and feature development.
- Implemented Firebase Cloud Messaging and Xendit payment integration covering e-wallet/bank transfer, invoices, webhook callbacks, payment statuses, and scheduled handling for failed/pending payments.

ADDITIONAL TECHNOLOGIES

Go · Gin · Python · Node.js · Express.js · NestJS — Beginner / currently learning

EDUCATION

Bachelor's Degree in Informatics — Universitas Amikom Yogyakarta · 2017–2021

GPA: 3.76/4.00 · Graduated July 2021 · Amikom Computer Club

Thesis: Comparison of Convolutional Neural Network and K-Nearest Neighbor Algorithm for Classification of Batik Motif Patterns with Digital Image

LANGUAGES

Indonesian — Native · English — Intermediate (strong reading & writing; improving speaking/listening)