

MUHAMMAD HIFZHAN SILMI

Backend-Focused Software Engineer | PHP & Laravel

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PROFESSIONAL SUMMARY

Backend-focused Software Engineer with 5 years of experience building and maintaining web applications, with primary expertise in PHP and Laravel. Experienced in internal enterprise systems, government portals, recruitment workflows, REST APIs, MySQL/PostgreSQL, Redis, queues, and Linux deployments. Comfortable handling requirement discussions, database design, development, integration, deployment, troubleshooting, and production support. Also has working experience with Livewire, Blade, JavaScript/TypeScript, React, and Tailwind CSS.

PROFESSIONAL EXPERIENCE

Software Engineer (Staff IT - Application Developer) - PT Agrinas Jaladri Nusantara (Persero) **Apr 2024 - Present**
Jakarta, Indonesia | Full-time, on-site

- Develop and maintain Laravel-based applications supporting recruitment, executive dashboards, finance, HR, budgeting, and project operations.
- Built and maintain the company e-Recruitment platform, currently supporting 40,714 registered users and 22,176 active applicants.
 - Improve read-heavy features using database indexing and Redis caching, including cache refresh or invalidation when source data changes.
 - Integrate applications with Google Sheets, S3-compatible object storage, email services, and other internal or external data sources.
 - Deploy and support applications on Ubuntu servers using Nginx, Supervisor, Laravel queues, and scheduled jobs; troubleshoot production issues and application errors.
 - Work directly with managers and business users to clarify requirements, deliver revisions, and support day-to-day operations.

Software Engineer Consultant - Pusdatin, Kementerian Pekerjaan Umum **Mar 2024 - Dec 2025**
Hybrid / Contract | Concurrent project-based contracts

- Developed and maintained modules and integrations for the Ministry CSIRT portal.
- Developed Laravel modules and REST endpoints using Laravel, Filament, PostgreSQL, and Redis.
 - Implemented authentication, role-based access, content management, and administrative workflows for internal users.
 - Supported deployment and production troubleshooting, including Nginx configuration, WAF integration, and reverse-proxy integration for a Next.js module.
 - Coordinated with Pusdatin stakeholders through periodic progress reviews and requirement discussions.

Backend Developer - PT Mobility Doctor Indonesia **Mar 2023 - Sep 2023**
Jakarta, Indonesia | Full-time, on-site

- Developed backend services for an automotive technology platform.
- Developed and maintained REST APIs using PHP, Laravel Lumen, and MySQL.
 - Worked within a microservice-based backend and used RabbitMQ for asynchronous processing between services.
 - Implemented backend changes, investigated API issues, and collaborated with other developers during feature delivery and maintenance.

Independent Software Engineer - Freelance

Apr 2021 - Present

Project-based | Concurrent with full-time employment

Delivering web applications for private organizations, events, education, and operational workflows.

Kusuma Event Management - *Conference registration and attendance system*

- Built a Laravel-based event system used for registration and QR attendance during the 2026 PDS PA National Conference with 807 participants.
 - Implemented operational dashboards, participant management, WhatsApp Business API integration, Redis-backed queues, and Linux VPS deployment.
 - Supported the system during the live event and handled follow-up fixes and operational adjustments.
- Tech:** Laravel, Livewire, MySQL, Redis, Tailwind CSS, WhatsApp Business API, Linux

PRIMO - *Construction project monitoring prototype*

- Translated construction workflows originally managed in Excel into a web-based monitoring application together with a civil-engineering domain stakeholder.
 - Implemented modules for project data, dashboards, budget and work-volume monitoring, procurement, workforce, inventory, documents, and reporting.
 - Handled database design, Laravel backend development, REST API integration, React/TypeScript interface work, role-based access, deployment, and ongoing revisions.
- Tech:** Laravel, React, TypeScript, MySQL, Redis, REST API, Tailwind CSS

Geosentric - Department of Geomatics, ITS - *National competition platform*

- Developed a web platform for approximately 1,000 high-school participants, including registration, participant dashboards, and online examination modules.
 - Built the application using PHP Native, JavaScript, AJAX, jQuery, and MySQL, and deployed it to shared hosting.
- Tech:** PHP, JavaScript, AJAX, jQuery, MySQL

EARLIER EXPERIENCE

IT Infrastructure & Web Development Intern - PT Piramida Teknologi Informasi

Sep 2021 - Jun 2022

Surabaya, Indonesia | Kampus Merdeka internship, on-site

- Assisted with Linux server provisioning, dedicated-server deployment, and internal web development activities.
- Learned Symfony fundamentals and strengthened practical knowledge of Linux administration and production deployment.

CORE TECHNOLOGIES

Primary Stack: PHP, Laravel 8-13, Laravel Filament, Livewire, Laravel Lumen, Blade

Backend & Integration: REST API, authentication and authorization, RBAC, Laravel Queue, scheduled jobs, Redis cache, RabbitMQ

Frontend: JavaScript, TypeScript, React, Tailwind CSS, Bootstrap, jQuery

Database: MySQL, PostgreSQL, database design, indexing, query optimization

Infrastructure & Tools: Linux/Ubuntu, Nginx, Supervisor, Docker, PM2, Git, GitHub/GitLab, Postman, DBeaver

EDUCATION

Bachelor of Applied Informatics Engineering - Politeknik Negeri Malang

2018 - 2022

Malang, Indonesia | GPA 3.63 / 4.00