

Taufik Hidayat

Full-stack Web Developer

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PROFILE

Full-stack Web Developer with 8+ years of experience (since 2017) architecting, building, and maintaining production web applications and SaaS platforms. Extensive hands-on experience across Laravel, Next.js, Astro, Node.js/Hono, and WordPress (custom theme architecture and modular plugin development).

Proven track record in backend orchestration and infrastructure: real-time event streaming via Apache Kafka, asynchronous worker queues with Redis and BullMQ, database optimization in PostgreSQL and MySQL, Docker containerization, and automated CI/CD pipelines deploying to AWS, Azure, and Cloudflare.

TECHNICAL SKILLS

Languages & Backend: PHP, Laravel, Livewire, Node.js, Hono, WordPress (Themes & Plugins), TypeScript, JavaScript

Frontend: React, Next.js, Astro, Alpine.js, TailwindCSS, HTML5, CSS3

Databases & Queues: PostgreSQL, MySQL, MariaDB, SQLite, Redis, Apache Kafka, BullMQ

DevOps & Cloud: Docker, Linux (Ubuntu/Debian), Nginx, Apache, Git, GitHub Actions (CI/CD), AWS, Microsoft Azure, Cloudflare, Vercel

Other: Chrome Extensions (Manifest V3), RESTful APIs, Webhooks & Payment Gateways, WhatsApp Automation

WORK EXPERIENCE

Freelance Full-stack Web Developer · Self-Employed

Jul 2019 – Present

Architecting and building production web applications, SaaS platforms, automation backends, and browser extensions for commercial clients:

Retention — Backend Developer (Team)

Laravel · Apache Kafka · MySQL · Redis · AWS

- Architected real-time event ingestion pipelines powered by Apache Kafka to process high-throughput customer behavior streams without data loss.
- Implemented distributed rate-limiting and contact caching across Redis clusters deployed on AWS infrastructure.
- Built omnichannel automation triggers dispatching personalized messages via WhatsApp API and email based on user lifecycle events.

Vicoengine — Full-stack Developer vicoengine.com

Hono JS · Docker · Postgres · BullMQ

- Built AI automation backend for a Telegram bot using Hono JS runtime in containerized Docker environments.
- Orchestrated long-running motion-control video rendering via BullMQ and Redis queues to prevent Telegram webhook timeouts.
- Developed background workers with exponential backoff retries and atomic credit balance transactions in PostgreSQL.

Everyday Museum — Full-stack Jamstack Developer theeverydaymuseum.sg

Astro · DatoCMS · Azure SWA · CI/CD

- Migrated legacy native PHP monolith to a Jamstack architecture using Astro JS and DatoCMS headless CMS via GraphQL API.
- Delivered static site generation (SSG) with zero JavaScript by default, improving Core Web Vitals and eliminating self-hosted server overhead.
- Configured automated GitHub Actions CI/CD pipelines to Azure Static Web Apps with automated cache purging on content publish.

Edmember — Full-stack Developer edmember.com

Laravel · React · MariaDB · Redis

- Built multi-vendor LMS and mentoring platform for selling online courses, webinars, and private mentoring sessions.
- Engineered automated revenue-sharing ledger calculating platform and instructor commission splits via atomic database transactions.
- Designed multi-tier affiliate attribution system, interactive 1-on-1 booking calendar, and idempotent payment webhook handlers.

Responic — Full-stack Developer responic.com

Laravel · Livewire · Alpine.js · Redis

- Built multi-tenant WhatsApp automation SaaS platform using Laravel, Livewire, Alpine.js, and MariaDB.
- Engineered high-volume outbound broadcast workers on Redis queues with rate-limiting and jitter to comply with API throughput limits.
- Designed state machine engine for interactive multi-step autoreply journeys via incoming webhooks and dynamic form builders.

Kastemer — Frontend Developer [Chrome Web Store](#)

React · Chrome Extension API · IndexedDB

- Built Manifest V3 Chrome extension for WhatsApp Web using React and Shadow DOM to prevent style and script collisions with host page.
- Implemented client-side bulk messaging queues with randomized delays to mitigate account suspension risks.
- Added CRM contact tagging and offline-first data persistence using IndexedDB and Chrome Storage API.

Commercial Client WordPress Themes & Plugins — Theme & Plugin Developer

WordPress · PHP (OOP) · MySQL · RajaOngkir

- Developed 10+ custom e-commerce WordPress themes and plugins (including Salesloo, Tikstore, Orderpress, Waorder) focused on conversion speed without WooCommerce bloat.
- Integrated domestic courier rate calculations via RajaOngkir API with multi-layer transient caching for low-latency sub-district shipping lookups.
- Built standalone software licensing servers, custom database tables outside `wp\_posts`, and direct-to-WhatsApp checkout flows.

WordPress Developer · Orange WordPress

Jul 2017 – Mar 2019

Bekasi, West Java, Indonesia (Software House)

- Designed, developed, and maintained custom WordPress themes and plugins using object-oriented PHP and MySQL for dozens of business clients.
- Built advanced backend customizations on Linux server environments and integrated third-party payment gateways and REST APIs.
- Conducted security audits, performance troubleshooting, and database query optimizations across client installations.

OPEN SOURCE PROJECT

Floating Section Elementor — Author & Maintainer github.com/fiqhidayat

WordPress · Elementor API · Vanilla JS · PHP

- Developed open-source Elementor extension for dynamic floating sections with zero Cumulative Layout Shift (CLS) using CSS position: sticky and Intersection Observer API at 60 FPS.
- Built with pure Vanilla JavaScript without external dependencies to ensure minimal bundle size and immediate execution.

Full portfolio, technical writing, and tools at fiqhidayat.com