KELPIN HARTANTO

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Backend Engineer with 4+ years of experience specializing in Golang, PHP (Laravel), and Microservices. Proficient in Flutter for cross-platform mobile development. Currently focused on optimizing backend infrastructure and API performance at PT. Erajaya Swasembada Tbk.

Work Experiences

PT Erajaya Swasembada Tbk. - SCBD, Indonesia   Mar 2022 - Present
Backend Engineer - Full Time
PT Erajaya Swasembada is one of Indonesia's largest distributors and retailers of mobile devices and digital lifestyle products, operating across multiple brands and large-scale systems.

- Engineered a high-throughput Campaign Notification System using Golang Concurrency (Goroutines) and Redis, boosting speed from 50 notifications/min to 250/sec (surpassing SLA) and delivering 300k+ notifications in under 16 minutes
- Resolved critical Race Conditions during high-traffic "Flash Sale" events by implementing Redis Mutex (Distributed Locking), ensuring data integrity for inventory updates and promo redemptions
- Architected V2 of the Campaign Service integrated with Elasticsearch, optimizing throughput to 300 requests/second for real-time indexing and high-volume data retrieval
- Developed "Eraspace One" (SSO) integrated with Keycloak to streamline centralized identity management and security across the Erajaya ecosystem
- Spearheaded the strategic migration of the CMS Promo Voucher system from a Legacy Monolith to a scalable Microservices Architecture using pure Golang, significantly improving system maintainability

Freelance - Remote, Indonesia   Jan 2024 - Oct 2025
Freelance Fullstack Engineer

- BTN Eraversary Event 2025: Developed a high-traffic event management backend using Laravel and MySQL.
- Condition Survey Mobile App: Developed a cross-platform mobile application using Flutter for vessel condition monitoring, featuring multimedia data capture (Voice, Image, and Video) to streamline field inspection reporting.
- TB Warrior App: Built a cross-platform mobile health application using Flutter and Firebase, focusing on user-friendly UI/UX for patients.
- Corporate Web Portals: Delivered custom Company Profile and HRIS solutions for clients like Sadikun BBM, Semar Gemilang and Kowika Group.

PT Collega Inti Pratama - Jakarta Selatan, Indonesia   Feb 2021 - Mar 2022
Full Stack Developer - Full Time
PT Collega Inti Pratama is a national IT company focused on developing banking technology solutions, serving as a core banking system provider for regional banks across Indonesia under the Telkom Group.

- Engineered the new Web Ticketing System (CSS4), migrating the legacy codebase from CodeIgniter 3 to Laravel 7. Successfully implemented the Service-Repository Design Pattern to ensure code scalability and long-term maintainability
- Optimized the Ticketing Dashboard by tuning complex SQL queries (relational joins) and implementing real-time status updates using jQuery, significantly improving data retrieval speed
- Maintained and debugged existing internal applications to ensure operational stability

Ditama Digital - Bekasi, Indonesia   Jul 2019 - Dec 2021
Full Stack Developer - Internship
PT Ditama Digital Teknologi is a software house and multimedia company based in Bekasi, delivering custom software solutions, enterprise systems, and multimedia content for government institutions and private enterprises.

- Developed a comprehensive HR Management System (CMS) for Kowika Group using Laravel, streamlining employee attendance tracking, leave approvals, and automated reporting for the HR department
- Built the backend infrastructure for "Rapih.id", delivering a custom web application tailored to client specifications
- Implemented responsive web views and dynamic templating engines within the Laravel ecosystem for various client projects

Education Level

Universitas Gunadarma - Depok   Jul 2016 - Sep 2020
Bachelor of Information System, 3.66/4.00

Organisational Experience

Information System Laboratory Assistant - Bekasi, Indonesia   Jan 2017 - Jul 2018
PIC Information System Laboratory Assistant

An advanced student assisting faculty and lab teams with practical sessions, research, and instruction in Information Systems and Informatics. Responsibilities include mastering advanced course material, mentoring lab students, and demonstrating technical expertise in programming, databases, and networking

- Assisted in the preparation of teaching resources and practical exercises aligned with the Information Systems curriculum.
- Facilitated daily practicum activities, ensuring students successfully completed technical tasks regarding programming, networking, and databases.
- Managed the assessment lifecycle by conducting pre-tests and post-tests to validate student learning outcomes.
- Maintained accurate academic records, producing structured grade reports and performance evaluations for the lecturing team

Skills, Achievements & Other Experience

- **Technical Skills** (2026): Golang (Gin/Echo/FastHTTP), PHP (Laravel/CI), SQL, Dart (Flutter). Infrastructure & DevOps: Docker, Kubernetes (k8s), Nginx, CI/CD Pipelines, Linux. Data & Storage: PostgreSQL, MySQL, Redis, Elasticsearch, SingleStore, Couchbase. Cloud & Tools: Google Cloud Platform (GCP), Firebase, n8n Automation, Git
- **Intelligent Job Scraper & Telegram Bot (Automation Project)** (2026): Engineered an automated job aggregation system using n8n workflows. Successfully bypassed Cloudflare protections to scrape real-time data from platforms like JobStreet and Remotive with third party ScrapperAPI, delivering personalized job alerts via a Telegram Bot
- **Jira Worklog Automation Bot (Telegram Integrated)** (2026): Developed an automated workflow system to streamline Jira Worklog management directly through Telegram. This project was designed to reduce administrative friction in logging daily work hours by leveraging AI and workflow automation.