

# FRANSISKUS HADIYANTO CHRISTIONO

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Jakarta, Indonesia

Results-driven Lead Software Engineer with 2+ years of experience architecting, building, and optimizing full-stack enterprise applications. Proven track record leading engineering teams, delivering finance & accounting systems for multi-business-unit holdings, and shipping end-to-end products from zero to production. Strong in modern JavaScript/TypeScript ecosystems, Go backends, and cloud infrastructure deployment. Passionate about clean architecture, performance optimization, and mentoring developers to build scalable solutions.

## Work Experiences

### Sari Tirta Group - Jakarta, Indonesia

Oct 2024 - Present

#### Lead Software Engineer

Sari Tirta Group is a holding company under the Melawai Group, operating independently from Optik Melawai. We manage Finance, Accounting, and IT Systems for our sister companies, including Apotik Melawai, Hotel Mövenpick, IRIS Internasional, Visicare, and others.

- Lead and mentor a team of software engineers — conducting architecture reviews, setting coding standards, and reducing technical debt across multiple concurrent projects.
- Architect and maintain enterprise Finance & Accounting systems serving Apotik Melawai, Hotel Mövenpick, IRIS Internasional, and Visicare.
- Own end-to-end project delivery: from business requirement gathering and system design through to production deployment and postlaunch support.
- Drive hardware-software integration projects including barrier gate systems, access control doors, and Hikvision video intercom devices.
- Manage project timelines, resource allocation, and stakeholder communication for internal platforms serving hundreds of daily active users.

### Sari Tirta Group - Jakarta, Indonesia

Jun 2024 - Sep 2024

#### Junior Software Engineer

- Designed and implemented internal software workflows that streamlined operations and reduced manual processing overhead for finance and accounting teams.
- Delivered full-stack features from technical planning through production deployment using modern frameworks.
- Refactored legacy codebase and optimized database queries, achieving measurable improvements in system performance and latency.

### PT. IMAJIKU CIPTA MEDIA - Yogyakarta, Indonesia

Sep 2023 - Jun 2024

#### Junior Software Engineer

PT. IMAJIKU CIPTA MEDIA is a leading digital solutions provider, specializing in website development, mobile applications, and ecommerce systems. The company focuses on creating clean, efficient, and user-friendly platforms, serving businesses across Indonesia.

- Optimized backend APIs achieving significant improvements in response time and reliability for client-facing platforms.
- Debugged and resolved complex production issues, maintaining high uptime across web and mobile deployments.
- Collaborated with frontend engineers to deliver seamless user experiences across website, mobile app, and e-commerce projects.

## Education Level

### Politeknik Harapan Bersama - Tegal, Central Java, Indonesia

Jul 2020 - Sep 2023

#### Associate of Computer Engineering, 3.84/4.00

- Huawei Datacom Course (March 2022, No Expiration Date)
- Huawei HCIA-IoT (Jun 2023, No Expiration Date)

## Selected Projects

### Enterprise Visitor Management System (VMS) - Tech Stack: Go, Next.js, PostgreSQL, Docker, NGINX, Linux, PM2

#### Project Lead

A comprehensive multi-tenant visitor management platform built for corporate environments covering visitor registration, meeting room booking, access control, and hotel guest integration for Hotel Mövenpick.

- Designed and developed the entire platform from scratch, handling visitor registration, QR-based check-in/check-out, and real-time access monitoring.
- Integrated QR-based access workflows with physical barrier gates, access doors, and Hikvision video intercom devices.
- Built a Meeting Room Reservation module for Hotel Mövenpick: room availability calendars, booking management, and guest check-in flows tailored for a five-star hospitality environment.
- Implemented multi-tenant building management with audit logging, event management, and real-time occupancy tracking.

## ESS Attendance — Geo-Location Based Attendance System (PWA) - Tech Stack: Express, Hono, Bun, PostgreSQL, Vue

### Project Lead

An end-to-end Progressive Web App for employee attendance, leave management, and HR reporting.

- Architected and built the full system: backend APIs, database schema, frontend PWA, and production deployment.
- Implemented geo-fencing and real-time GPS validation for accurate employee check-in and check-out tracking.
- Built a multi-level leave and permission approval workflow with a dedicated HR admin dashboard for real-time monitoring.
- Integrated WebAuthn-based fingerprint authentication for secure, passwordless biometric login.
- Implemented offline-first architecture with intelligent caching, ensuring the app works reliably in low-connectivity areas.
- Automated daily attendance reporting via Telegram Bot, fully replacing manual HR reporting processes.

## Procurement Management System - Tech Stack: Go, Next.js, PostgreSQL, Docker, NGINX, Linux, PM2

### Project Lead

A full-cycle procurement platform purpose-built for Mövenpick Hotel, managing purchasing workflows, vendor relationships, and budget controls at hospitality scale.

- Designed the end-to-end procurement workflow: purchase request creation, multi-level approval chains, purchase order generation, and delivery confirmation.
- Built a vendor management module covering supplier registration, performance tracking, and price comparison across multiple vendors.
- Implemented budget control and spending analytics dashboards, giving hotel management real-time visibility into departmental purchasing.
- Integrated the procurement system with the Finance & Accounting platform (Sari Tirta Group) for seamless invoice reconciliation and cost allocation.
- Enforced role-based access control (RBAC) to separate department requestors, approvers, procurement officers, and finance reviewers.

## Technologies and Languages

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- **Programming Languages:** JavaScript (ES6+), TypeScript, PHP, Go, SQL, PROGRESS ABL
- **Frontend:** React, Next.js, Vue.js, Nuxt, Tailwind CSS, Shadcn UI, Vite, PWA
- **Backend:** : Go, Node.js, Express, Hono, Bun, PROGRESS ABL
- **Infrastructure & Tools:** Docker, PM2, NGINX, Tailwind CSS, Shadcn UI, PostgreSQL, MinIO
- **Soft Skills:** Problem Solving, Critical Thinking, Communication, Team Collaboration.