

IBRAHIM HAYKAL ALATAS

+62-896-2806-6432 | ibrahimhaykal@gmail.com | linkedin.com/in/ibrahimhaykalalatas | ibrahimhaykal.my.id

SUMMARY

Full Stack Developer building enterprise CRM and operational systems with Laravel and React, with a background in manufacturing and warehouse digitalization on top of legacy ERP environments (Infor/Baan). Skilled in REST API design, role-based access, real-time interfaces, and AI integration.

EDUCATION

Politeknik STMI Jakarta, Ministry of Industry

Jakarta, Indonesia

Applied Bachelor of Computer Science - Industrial Automotive Information Systems; GPA: 3.77/4.00

Sep. 2022 – Jul. 2026

– Thesis: *Implementation of a Steel Sheet Monitoring Information System at PT Gemala Kempa Daya* — reduced material search and information retrieval time by 76.10% (103.00 to 24.62 minutes), validated via time study over 30 measurement cycles.

EXPERIENCE

Full Stack Developer

Jun. 2026 – Present

PT Data Teknologi Terintegrasi

Jakarta, Indonesia

- Developing VALAK CRM, an actuarial consulting platform (Laravel 12, React 19, TypeScript, PostgreSQL) spanning authentication, master data, calculation, and reporting for 6 internal roles.
- Built a 19-stage project board with Pusher real-time sync and optimistic drag-and-drop with rollback, using in-flight move reconciliation to prevent stale-state overwrites under rapid updates.
- Delivered 32 REST endpoints across 6 controllers on a repository-service-handler structure, and resolved cross-layer defects in role-based board access.
- Engineered an Excel-driven configuration pipeline with client-side parsing, header-driven editable previews, and in-place cell rewriting that preserves multi-sheet structure, relayed to a legacy calculation engine via machine-to-machine auth.
- Built role-based dashboards and todo workflows for 6 roles with a shared typed chart library and Leaflet maps, and integrated AI summary insights with project-scoped, version-aware sessions.

Full Stack Developer / System Engineer Intern

Feb. 2025 – Jun. 2026

PT Gemala Kempa Daya, Astra Otoparts Group

Jakarta, Indonesia

- Developed a FIFO-based floor-storage warehouse monitoring system covering 48 material blocks and 400+ weekly transactions with QR gate in/out, block visualization, and supply scheduling, cutting material search cycle time 76.10% from 103.00 to 24.62 minutes (validated via time study).
- Built a finished goods warehouse visualization system mapping 80+ rack columns across multi-layer and U-shape layouts with customer filtering, barcode scanning, and shipment tracking.
- Built inventory aging and LMB reporting modules for accounting reconciliation, supporting 30K+ row multi-sheet Excel exports in around 9 seconds with drill-down tracing to transaction details.
- Designed Smart Andon maintenance monitoring (QR validation, lifecycle tracking, MTTR visibility) and cost approval workflows with sparepart usage, COA classification, and multi-level approval.
- Executed phased Oracle-to-PostgreSQL migration for Trucking Control System using an application-level dual-write strategy to maintain zero downtime during live production operations.

Web Developer

Aug. 2024 – Jan. 2025

Nirmala Technology

Jakarta, Indonesia

- Developed a QR-based restaurant ordering system and coliving/cafe booking modules with cart, checkout, availability, Midtrans webhooks, status polling, and role-based admin CMS.
- Built a bilingual corporate profile platform (Laravel 11) and responsive component-based UI for Q-Tin Dashboard using DaisyUI and Flowbite.

PROJECTS & ACHIEVEMENTS

E-Brochure Digital Catalog — Indomobil | *Next.js, TypeScript, Tailwind CSS*

- Interactive automotive catalog with dynamic vehicle showcases, color customization, and WhatsApp integration for sales lead generation.

SME Digital Platform, Hackathon 2nd Place | *Laravel, Tailwind CSS, WhatsApp API*

Jun. 2025

- 2nd place nationally for an MSME digital platform with WhatsApp chatbot integration for user engagement and digital marketing.

AI Defect Detection System | *YOLOv8, Roboflow, Streamlit, WebRTC*

Dec. 2024

- End-to-end visual inspection pipeline for automotive parts: dataset annotation, model training, and real-time inference deployment.

TECHNICAL SKILLS

Core: Full Stack Development, CRM Systems, Manufacturing & Warehouse Systems, ERP Integration, Process Automation

Backend: Laravel 12, PHP, PostgreSQL, Oracle PL/SQL, REST APIs, SQL Optimization, Database Migration

Frontend & Real-time: React 19, Next.js, TypeScript, Tailwind CSS, Framer Motion, Laravel Echo, Pusher, Leaflet

Tools, AI & Certification: Git, Figma, Midtrans, YOLOv8, Roboflow, Streamlit; BNSP Database Administrator