

WIRYA WONGGO

Full-Stack Software Engineer | Laravel · Next.js · AI Integration
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SUMMARY

Full-stack software engineer with 2.5+ years maintaining and modernizing enterprise finance systems at one of Indonesia's largest container shipping lines, plus freelance products running in production: a language-course LMS with AI tutoring, an inventory and POS system with FIFO costing, and a multi-tenant SaaS page builder. Works across Laravel, Next.js, Java and Python, and owns projects from requirements and data model through Docker deployment and automated tests. Master's in Informatics (GPA 3.85).

SKILLS

Programming: PHP, TypeScript, JavaScript, Java, Python, SQL
Backend: Laravel, REST APIs, Laravel Sanctum, CodeIgniter, FastAPI, Celery, queues and schedulers
Frontend: Next.js (App Router), React, Tailwind CSS, Blade
Data & DevOps: MySQL, PostgreSQL, Redis, Prisma, Docker, Nginx, Linux VPS, GitHub Actions CI, AWS
Testing: Pest, PHPUnit, Vitest, Playwright
AI: LLM integration (DeepSeek, Ollama, Gemini), RAG, Azure Speech, AWS Textract, YOLOv5 / CNN
Languages (spoken): Indonesian (native), English (intermediate)

EXPERIENCE

Software Engineer | PT Salam Pacific Indonesia Lines (SPIL), Surabaya Jan 2024 – Present
Container shipping and logistics company with branches across Indonesia.

- Maintain and extend SPIL's internal finance web applications, used by branches nationwide, in Java, CodeIgniter, PHP or Python depending on the system.
- Revamped several legacy finance applications into new versions, redesigning the business flow to remove redundant steps instead of porting it one-to-one.
- Support finance systems for cash in, cash out and vessel-expense disbursement across SPIL's fleet operations in Indonesia.
- Maintain MultiComp, the consolidated finance system for dozens of SPIL subsidiaries and affiliated companies.
- Maintain OCR-Tax, a Python service using AWS Textract to extract data from thousands of tax withholding documents.
- Maintain the asset and vehicle inventory systems and PPG, the internal company-regulation portal.
- Handle systems both solo and in teams; gather requirements with finance and operations divisions and resolve data issues in SQL.

Freelance Full-Stack Developer | Remote Mar 2025 – Present

- **HuaTalk (language course center)** — Built the course center's platform end to end: Laravel 12 API and admin, a Next.js 16 LMS for admins, teachers and students, and the marketing site. Covers classes, schedules, QR attendance, payments, certificates and gradebook, plus an AI tutor, conversation partner and writing checker (DeepSeek / Ollama) and pronunciation scoring (Azure Speech). Live at huatalkcenter.com.
- **Hendy Plastik** — Inventory and POS system on Laravel with FIFO batch costing, purchasing, sales, returns, receivables and stock opname. Traced why 207 of 396 items could not be sold, fixed two profit-report bugs that overstated margins, and locked admin-only actions away from cashiers. Shipped in six phases to production with 152 automated tests.

AI Researcher (MBKM Research Program) | PT Seita Sukses Makmur Jul 2022 – Dec 2022

- Built an application that classifies and counts algae in digital microscope images using YOLOv5 and CNN, including collecting and labeling the dataset.

Web Developer (Freelance) | GKI Rungkut Asri Jan 2022 – Jul 2022

- Built a church information and administration system in Laravel.

PROJECTS

LuckyTree — Multi-tenant Link-in-Bio SaaS luckytree.tech

- Laravel 12 API and Next.js 16 app: workspace subdomains, custom domains with TXT verification, block-based page builder (15 block types), theme presets, cookieless analytics, QR codes, and plans with entitlements. 220+ commits with Pest and Vitest suites in CI.

Online Shop Platform — E-commerce Laravel 12 · Next.js 15

- Modular-monolith Laravel API with an OpenAPI contract, a Next.js storefront using a backend-for-frontend pattern, and an admin app. Midtrans payments, Biteship shipping, Playwright end-to-end tests and Lighthouse checks in CI.

EDUCATION

Master of Informatics (Magister Teknik Informatika) <i>Universitas Surabaya</i> GPA 3.85 / 4.00	2024 – Feb 2026
Bachelor of Informatics Engineering — Data Science & AI <i>Universitas Surabaya</i> GPA 3.94 / 4.00	2019 – 2023

CERTIFICATIONS

Synrgy Academy — Backend Developer <i>BCA</i>	Jan 2024
AWS Cloud Practitioner Essentials <i>Dicoding Indonesia</i>	Dec 2022
HCIA-AI <i>Huawei</i>	Nov 2021

LEADERSHIP & VOLUNTEERING

Secretary II <i>Young Buddhist Association Surabaya</i>	Oct 2024 – Present
Equipment Coordinator <i>Vesak Festival 2025 Surabaya</i>	Jul 2024 – Jun 2025