INDRA MAULANA PRATAMA

Senior Backend Engineer · System Integration · Systems Analyst

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Open to: Full-time Remote · Hybrid · International Relocation

PROFESSIONAL SUMMARY

Senior Backend Engineer with 7+ years designing and operating production APIs and system integrations across government, higher education, logistics, and financial services. Specialises in PHP/Laravel and Node.js over MySQL, PostgreSQL and Oracle, with hands-on ownership of containerised Linux infrastructure (Docker, Ubuntu Server, nginx, Proxmox, AWS). Built an in-house payment gateway that cut annual third-party processing costs by approximately 40%, and a fund reconciliation platform that reduced its operating team from 15 staff to 4. Currently leads end-to-end delivery for Indonesia's national school of government, having shipped 8 institutional platforms while acting as the bridge between non-technical stakeholders and the engineering team.

TECHNICAL SKILLS

Languages: PHP, JavaScript, TypeScript, Python, SQL, HTML, CSS

Backend: Laravel, Laravel Octane, Livewire, CodeIgniter, Node.js, Express.js, Flask, REST API design, system integration

Frontend: React, Vue.js, Next.js, Nuxt.js, Tailwind CSS, Bootstrap, AJAX

Databases: MySQL, PostgreSQL, Oracle Database, MongoDB, Redis

Containers and Cloud: Docker, AWS, Proxmox, Ubuntu Server, nginx, VPS administration, hPanel, aPanel

Version Control: Git, GitHub, GitLab

Testing and API Tooling: PHPUnit, Jest, Postman

Security and Auth: OAuth 2.0 (domain-restricted Google Workspace), JWT, two-factor authentication, reCAPTCHA, SMTP integration, payment gateway integration, WhatsApp Business API

AI-Assisted Engineering: Claude, Cursor, Antigravity, prompt engineering, AI-assisted development workflows

Mobile: Flutter

Practices: Agile, object-oriented programming (OOP), requirements gathering, systems analysis, UML modelling, ERD design, debugging, technical documentation, code review, stakeholder reporting

PROFESSIONAL EXPERIENCE

Senior Full-Stack Engineer (IT Technical Expert)
Institut Pemerintahan Dalam Negeri (IPDN), Government of Indonesia · Sumedang, Indonesia · Hybrid
2023 – Present · Contract

- Lead end-to-end delivery of institutional platforms for Indonesia's national school of government, covering requirements elicitation, systems analysis, UML and ERD design, implementation, deployment, and documentation.
- Shipped 8 production platforms since 2023, including Bebas Pustaka (library clearance), LPDSI (digital services portal), SIMAMI (internal quality audit), and Data Praja (student information system), built on Laravel, Livewire, and MySQL.
- Replaced a multi-month, letter-based library clearance workflow with a real-time digital service, removing physical queuing for students and giving leadership live visibility into every case.
- Centralised institution-wide accreditation documentation in SIMAMI, replacing scattered physical files with a classified, searchable repository and transparent completeness statistics.
- Built Data Praja as a single system of record for the student lifecycle, covering national-level data synchronisation, health and disciplinary records, and academic progression decisions.
- Standardised security across all platforms — domain-restricted Google OAuth, two-factor authentication, reCAPTCHA, and Git-based version control — and administer the production Ubuntu/nginx servers and Proxmox hosts they run on.
- Serve as the primary interface between non-technical end users and the development team, translating operational needs into technical specifications and reporting delivery progress to institutional leadership.

Backend Engineer
PT ValueStream International · Bandung, Indonesia · Hybrid
2022 – 2023 · Contract

- Recruited ahead of schedule at the company's request, joining before the preceding engagement had concluded.
- Built the fund reconciliation platform that resolved transaction discrepancies between three parties — the company, application users, and partner banks — across success, pending, and rejected states with full audit logging.
- Reduced the reconciliation function from 15 staff to 4, approximately a 73% reduction in manual effort.
- Replaced manually assembled monthly, quarterly, and annual reporting with automated real-time delivery to banking partners.
- Stack: Laravel Octane, MySQL, Oracle Database, Docker, AWS, Postman, Ubuntu Server, Google Authenticator 2FA.

Backend Engineer
PT Integrasi Logistik Cipta Solusi · North Jakarta, Indonesia · Hybrid
2021 – 2022 · Contract

- Designed and built an in-house payment gateway API service, replacing a paid third-party provider and eliminating per-transaction administrative fees.
- Reduced the company's annual payment processing expenditure by approximately 40%.
- Proposed and implemented Docker-based containerisation on an under-utilised production server, consolidating multiple applications onto a single host after identifying that the hardware was provisioned well beyond one application's needs.
- Stack: Node.js, Express.js, PostgreSQL, Oracle Database, Docker, AWS, Postman, Ubuntu Server.

Application Developer (IT Staff)
Universitas Islam Bandung (UNISBA) · Bandung, Indonesia · On-site
2019 – 2020 · Full-time

- Built the university's paperless correspondence platform, digitising document workflows both within the university and with external institutions.
- Developed a student identity card issuance and printing application, and delivered websites for multiple faculties.
- Owned the full delivery cycle: requirements translation, UML modelling, database design, mockups, frontend and backend implementation, technical documentation, and progress reporting.
- Stack: CodeIgniter, Laravel, MySQL, Ubuntu Server, WordPress.

EARLIER EXPERIENCE

- IT Intern — PT Dago Wisata Internasional, Bandung (2017). Delivered an Umrah pilgrim queue management system; produced ERD, mockups, and API documentation, and ran sprint planning against delivery timelines.
- IT Instructor — Pikmi Rajawali, Bandung (2013–2014). Authored training modules, quizzes, and final examinations; taught web development and office productivity to fee-paying cohorts.
- Freelance Full-Stack Developer — Universitas Padjadjaran, Jatinangor (2012). Built a prospective-student admissions data system with database design, authentication, AJAX search, and CRUD; produced major-preference statistics used by the faculty dean for intake decisions.

EDUCATION

Bachelor of Engineering (S.T.), Informatics Engineering
STMIK Indonesia Mandiri · Bandung, Indonesia
2014 – 2018 · GPA 3.31 / 4.00

Thesis: Decision Support System for Academic Major Selection using the Simple Additive Weighting (SAW) method.

CERTIFICATIONS

- Modern PHP Web Development with MySQL, GitHub and Heroku — Udemy, 2023
- Flask Master Class: Beginner to Pro — Udemy, 2026
- Learn Elementor and WordPress for Startups and Freelancers — Udemy, 2024

LANGUAGES

Indonesian: Native

Sundanese: Native
English: Professional working proficiency (written); intermediate (spoken)