

## SUMMARY

Full Stack Web Developer with 3+ years of experience specializing in building and modernizing scalable applications using Laravel, PostgreSQL, and React. Proven track record as a primary contributor in executing end-to-end system migrations, optimizing complex database logic, and integrating hardware with web software. Highly adaptable in learning new technologies to solve specific architectural challenges.

## TECHNICAL SKILLS

**Backend:** PHP (Laravel, CodeIgniter), Node.js (AdonisJS), RESTful API Development.

**Frontend:** React (Inertia), JavaScript, Bootstrap, Tailwind CSS, shadcn/ui.

**Database:** PostgreSQL, MySQL, Firebird.

**Tools:** Docker, Git, Apache, WebSocket, Postman.

## WORK EXPERIENCE

**Web Developer | Global Intermedia Nusantara | Yogyakarta, December 2022 – Present**

- **Inventory Management System (SIM Persediaan)**
  - Served as the sole developer for the complete rewrite of a regional-scale inventory system, migrating from legacy CodeIgniter/PHP 5 to Laravel 10.
  - Rebuilt the application architecture from scratch to ensure full compliance with Permendagri standards.
  - Engineered complex database queries using PostgreSQL CTEs to optimize reporting performance for large datasets.
  - Implemented strict FIFO (First-In-First-Out) logic to ensure accurate inventory tracking across multiple government units.
  - Containerized the application using Docker to streamline the development and deployment process.
- **Employee Management System (Presensi)**
  - Executed the migration of payroll reporting modules from a desktop-based Firebird database to a web-based PostgreSQL system.
  - Developed attendance tracking, work permit modules, and role-based access control.
  - Collaborated closely with the finance department to translate complex accounting requirements into precise, error-free code logic.

**Freelance Full Stack Developer | 2022 – Present**

- **Student Service Kiosk**
  - Designed a touchscreen kiosk interface using AdonisJS, React, and WebSocket to enable real-time chat between students and parents.
  - Technical Decision-Making: Pivoted from Laravel to AdonisJS to leverage its native WebSocket support, simplifying real-time communication architecture and reducing implementation complexity.
  - Developed secure APIs to connect the kiosk with an external mobile application.
- **POS System**
  - Built a comprehensive retail dashboard using Laravel integrating sales, inventory, and accounting.
  - Integrated RFID hardware for student payments, designing a secure PIN-based verification system similar to ATM logic.
  - Developed an automated API bridge to sync retail transactions with the school's main accounting journal system.
- **Custom CMS**
  - Built a custom Content Management System tailored for university needs using Laravel and Bootstrap, prioritizing ease of use for content publishers.

## EDUCATION

- **Universitas Terbuka | Bachelor of Information Systems, 2023 – Present (Currently Enrolled)**
- **SMK Negeri 2 Karanganyar | Software Engineering, Graduated 2019**