

Rahmat Andyka Pratama

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PROFILE

Aspiring System Analyst with 2+ years of hands-on experience bridging business requirements and technical solutions in a manufacturing enterprise environment. Skilled in requirement gathering, business process analysis, and system design (BPMN, UML, ERD, use case modeling), complemented by full-stack development expertise (Laravel, Next.js, Express.js) and hands-on SQL querying (MySQL, SQL Server) for data validation, reporting, and cross-system consistency checks. This technical background helps me work closely with both business and engineering teams, and personally verify that proposed solutions actually work. Proven track record of translating cross-functional business needs into scalable system solutions across multiple business units.

EDUCATION

Politeknik STMI Kementerian Perindustrian | Cempaka Putih, DKI Jakarta 2020 - 2024
Bachelor degree of Information System - GPA 3.80 of 4.00

EXPERIENCE

PT United Tractors Pandu Engineering

Full Stack Developer Jan 2024 – Present

- Gathered and analyzed business requirements with stakeholders across four companies within UTPE Group, translating business needs into detailed system designs (flowcharts, use cases, UML, class diagrams, ERDs).
- Conducted requirement discussions with stakeholders prior to development, ensuring proposed solutions aligned with actual business processes.
- Create workflows, and produced technical documentation to guide the development team.
- Built and maintained multi-module web applications (Laravel, Next.js, Express.js) impacting core business processes across the group.
- Delivered solutions that optimized business processes by an average of 50% and reduced processing time by up to 70%.
- Designed relational database schemas (MySQL, SQL Server) and used SQL queries for data validation and reporting.
- Collaborated with cross-functional teams to keep solutions aligned with business goals.
- Led unit testing and User Acceptance Testing (UAT), and compiled complete technical documentation for each project.

Digitalization Internship Jun 2023 – Dec 2024

- Analyzed employee health management workflows and gathered user requirements to design E-Health, a web-based system integrated with the company's employee webportal.
- Designed a user-centric system flow based on requirement findings, streamlining employee health monitoring for HR and medical staff.
- Reduced processing time by 70% by automating manual data handling in the health monitoring workflow.
- Built the application using PHP (Laravel) and MySQL, following clean and well-documented coding standards aligned with the development team.

PROJECT

- Employee Performance Management System & KPI Management System** — (Laravel to Express.js & Next.js)
Maintained and enhanced the legacy Laravel-based application, which handles integrated employee performance and KPI data. Identified that growing data volume was causing significant performance degradation, and led the system analysis behind migrating the application to Next.js/Express.js — redesigning the database and data-handling approach for scalability. The migrated system now runs significantly faster and has received positive feedback from users.

- **Innovation Management System** — (Laravel)
Built from the ground up to collect and manage innovation ideas from employees across four companies within the UTPE Group. Identified that user data for three of the four companies was incomplete, which would have caused access and tracking issues at launch. Queried the database via SQL to pinpoint missing/incomplete records, then coordinated directly with each subsidiary's HRD team to get the data completed. Owned the project end-to-end, from requirement analysis through development and UAT.
- **Steel Plate Management System** — (Express.js, Next.js)
Owned the frontend, focused on streamlining the planning and raw material preparation work flow for the production team. Based on user feedback that the form-filling process felt too complex, redesigned the flow to store previous form entries in local storage — allowing users to simply edit small changes instead of re-entering data from scratch. This significantly improved user satisfaction while maintaining data accuracy.
- **Machine Maintenance Card System** — (Express.js, Next.js)
Analyzed the limitations of the existing manual process (Google Form-based machine maintenance checks) and redesigned it into a more robust system with a dedicated dashboard for tracking and monitoring, replacing a fragmented, non-integrated workflow with a centralized solution.

SKILL

- **Analysis & Design:** Requirements Analysis, Business Process Analysis and Modeling (BPMN, Flowchart, UML, Use Case Diagram, ERD), System Design, Data Analysis, Project Management.
- **Data & Query:** SQL Query (MySQL, SQL Server), Data Validation, Data Cleansing, Reporting
- **Programming & Framework:** Laravel, JavaScript, TypeScript, Next.js, Express.js, REST API, HTML, CSS
- **Database:** Database Design, Database Normalization, MySQL, SQL Server
- **Collaboration & Tools:** Stakeholder Coordination, UAT Facilitation, Figma, Adobe Illustrator, Git, Github

ORGANIZATIONS

Information System Student Association (Himasis) March 2022 - 2023
Head of Information and Communication Division

- Oversee content creation on social media accounts HIMASIS STMI Jakarta.
- Provides useful information about campus and IT information.

Volunteer Franchise License Expo Indonesia 2022 (Bizhare) Jun 2022

- Branding bizhare products.
- Providing knowledge about financial freedom to prospective customers by means of securities crowdfunding through products in bizhare. The products are stocks, sukuk and mudharabah.

CERTIFICATION

Certification BNSP

- Development of an Information System for Business Processes in the Manufacturing Industry, certified by BNSP.

Coding Studio Certification

- Frontend Developer Training.
- Backend Developer Training.