

# DIKA PUTRA SUSANTO

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Bali, Indonesia

Final-year Information System student at Bali State Polytechnic, specializing in backend development with PHP, Laravel, and MySQL. Experienced in building robust systems and RESTful APIs through academic and internship projects. Currently expanding into frontend and full-stack web development to deliver seamless and user-friendly digital experiences. Strong in collaboration, critical thinking, and project execution, with fluency in both English and Indonesian. Eager to contribute to dynamic development teams and grow as a versatile web developer.

## Work Experience

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### PT. Bank Pembangunan Daerah Bali - Bali, Indonesia

Software Engineer Intern | May, 2024 – July, 2025

- Developed and tested 80+ SNAP APIs (Virtual Account, Interbank Transfer, Balance Inquiry), including signature authentication and client simulator integration, improving API readiness for partner onboarding.
- Conducted UAT/system testing for key banking features (e.g., PLN bill payments, ATM/WebTeller balance inquiry, withdrawals, interbank transfers), reducing production issues and improving reliability.
- Created backend APIs for internal workflows and logging mechanisms, enhancing automation and traceability of internal approval processes.
- Built an email service web app using Laravel, RabbitMQ, and Elastic Stack to process batch emails and manage queue prioritization and logging. Built a web-based email service app (Laravel, RabbitMQ, Elastic Stack) to manage prioritized batch emails, significantly improving delivery efficiency and error tracking.
- Authored comprehensive documentation for SNAP API test cases and assisted in simulating partner testing scenarios, helping partners connect and test the system more easily.

## Projects

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### Centralized Email Service – Internship Project at PT. Bank Pembangunan Daerah Bali

October, 2024 – February 2025

Backend Developer | Laravel, Vue.js, RabbitMQ, MySQL, REST API Integration

- Developed and integrated a centralized email service using Laravel (backend) and Vue.js (frontend) for internal applications.
- Implemented RabbitMQ as a message broker to handle asynchronous email sending, supporting both single and batch (Excel-imported) email workflows.
- Designed and built robust backend logic for logging all outgoing emails to a MySQL database, enabling real-time tracking and auditability.
- Collaborated with frontend developers to integrate RESTful APIs, ensuring seamless communication between backend services and Vue.js components.
- Enhanced system reliability and scalability by decoupling email processing from user requests, improving performance for high-volume email operations.

## Bali Pisang Sale – Website E-commerce UMKM – Personal Project

July, 2025 – Present

Full Stack Developer | Next.js (React), Tailwind CSS, Prisma ORM, PostgreSQL (Supabase), Midtrans Payment Gateway, RajaOngkir API, Upstash Redis

- Developed a responsive and modern e-commerce website for Bali-based UMKM "Bali Pisang Sale" using Next.js and Tailwind CSS, optimized for both desktop and mobile devices.
- Designed and implemented a multi-item product ordering system, including shopping cart, checkout process, and order status management (Pending, Paid, Fulfilled, Shipped, Cancelled).
- Integrated Midtrans Payment Gateway for secure online payments with webhook handling and signature validation to automate order status updates.
- Integrated RajaOngkir API for dynamic shipping cost calculation based on customer location and order weight.
- Built an admin dashboard for real-time order monitoring and management, including status change confirmation modals, flow validation, and audit logging.
- Utilized Prisma ORM with PostgreSQL (via Supabase) for efficient and structured data management of products, orders, and customer information.
- Implemented Upstash Redis for API rate limiting to enhance security and prevent abuse of critical endpoints.

## Portfolio Website – Personal Project

June, 2025 – Present

Full Stack Developer | Next.js, React, TypeScript, Tailwind CSS, Nodemailer

- Designed and developed a modern personal portfolio website to showcase projects and skills as a backend and aspiring full stack engineer.
- Built a responsive, accessible web app using Next.js, React, and Tailwind CSS for seamless user experience across devices.
- Implemented a dynamic project section, interactive contact form with email integration (Nodemailer), and smooth in-page navigation.
- Applied best practices in UI/UX, component-based architecture, and code maintainability.

## Logistics Information System PT Marktel – Academic Project

Sept, 2023 – Feb 2024

System Analyst & UI/UX Designer | SDLC, Wireframing, Figma, Web App Design

- Conducted end-to-end system analysis to address logistical challenges at PT Marktel using the SDLC method.
- Designed a web-based logistics management system tailored for internal users across multiple departments.
- Created detailed wireframes and UI/UX prototypes in Figma to support inventory control and reporting flows.

## Organization Experiences

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### Festival Kesenian Nasional 2024 – UKM Kesenian Nasional - Bali, Indonesia

Feb, 2024 - Aug, 2024

Music Division Performance Coordinator

- Led the coordination of nine original songs for a large-scale musical theater production, attended by over 200 spectators.
- Supervised and guided music division members during rehearsals and scene-based training, involving coordination across a team of 100+ committee members.
- Collaborated across divisions to ensure artistic alignment between music, drama, and production teams.

## Education

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**Bali State Polytechnic** - Bali, Indonesia

Jul, 2022 - Oct, 2025

Associate Degree in Information Management, GPA: 3.92/4.00

- **Final Project:** Centralized Web-Based Email Service Using RabbitMQ and Elastic Stack for PT. Bank BPD Bali.
- **Relevant Course Works:** Web Programming, Mobile Development, OOP, Database Design, MIS (Management Information System), Cloud Technology.

## Certifications & Achievements

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**TOEIC (Listening & Reading)**

Score: 955 / 990

**1st Place – Internal English Debate Competition**

Bali State Polytechnic, Oct 2023

- Champion of English Competition held by English Club UKM.

## Skills

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**Technical skills:** PHP (Laravel), MySQL, RabbitMQ, RESTful API Development, API testing, HTML, CSS, JavaScript, SDLC.

**Soft skills:** Problem Solving, Critical Thinking, Attention to Detail, Team Collaboration, Communication, Task Management

**Languages:** Indonesian (Native), English (Advanced).