DIKA PUTRA SUSANTO

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Bali, Indonesia

Graduate in Information Management from Bali State Polytechnic with a strong foundation in software development and a broad interest in technology. Experienced in building scalable systems and web applications using Laravel, Next.js, and RESTful APIs through academic, internship, and personal projects. Expanding skillset into full-stack development to deliver seamless and user-friendly digital solutions. Strong in collaboration, critical thinking, and project execution, with fluency in both English and Indonesian. Eager to contribute to dynamic technology teams and grow as a versatile developer.

Work Experience

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.

Cendekia Harapan International School - Bali, Indonesia
Academic Data Assistant | Contract | August, 2025 – November, 2025

- Monitored academic data flows to identify, validate, and correct discrepancies across subjects, dates, and assessment records, improving data consistency and reliability.
- Supported national assessments (ANBK) by assisting non-native Indonesian students with translations and resolving system errors during test operations.
- Reviewed and refined teacher workshop materials and documentation to improve clarity, structure, and alignment with internal teaching standards.
- Coordinated with English, Bahasa, and PPKN teams to align marking standards, assessment deadlines, and scoring practices across departments.
- Designed and developed mock assessments and assignments for assessment weeks, and prepared/organized printed academic materials for classroom distribution.

Projects

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 – August, 2025
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

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

Feb, 2024 - Aug, 2024
Music Division Perfomance 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

Bali State Polytechnic - Bali, Indonesia
Jul, 2022 - Oct, 2025
Associate Degree in Information Management, GPA: 3.95/4.00
- **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

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

Frameworks & Tools: Laravel, Next.js, Vue.js, Tailwind CSS.
Backend & Databases: MySQL, PostgreSQL (Supabase), Prisma ORM, RabbitMQ, Redis
APIs & Integrations: RESTful API Development, Payment Gateway (Midtrans), Shipping API (RajaOngkir), Email Services (Nodemailer), Elastic Stack.
Soft skills: Problem Solving, Critical Thinking, Attention to Detail, Team Collaboration, Communication, Task Management.
Languages: Indonesian (Native), English (Advanced).