

RAKHI AZFA RIFANSYA

Full-Stack Developer

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PROFESSIONAL SUMMARY

Full-Stack Developer with over three years of experience designing and building dynamic, scalable web applications across backend and frontend systems. Skilled in JavaScript, TypeScript, PHP, Go, and Java, with hands-on experience using Laravel, NestJS, Spring Boot, Vue.js, and React.js. Proven track record delivering insurance management platforms, online ticket booking systems, content management systems, and enterprise HR information systems. Currently deepening expertise in Golang and microservices architecture to build robust, scalable systems.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, PHP, Go, Java, HTML, CSS

Backend Frameworks: Node.js, Express.js, NestJS, Laravel, Lumen, Gin Web Framework, Go Fiber, Spring Boot, Spring Batch

Frontend Frameworks & Libraries: Vue.js, Nuxt.js, React.js, Next.js, Bootstrap, Tailwind CSS, PrimeVue, Shadcn

Databases & Storage: MySQL, PostgreSQL, Redis, MinIO

Tools & Concepts: RESTful API, Object-Oriented Programming (OOP), Docker, Microservices, Firebase Cloud Messaging (FCM)

WORK EXPERIENCE

Fullstack Developer

PT. Intersolusi Teknologi Asia

July 2024 – Present

Tugu Clone (Insurance Management System)

- Develop and maintain backend services using Laravel and PostgreSQL to support insurance management workflows and business operations.
- Build user management and Role-Based Access Control (RBAC) modules covering registration, authentication, authorization, and permission control across backend and frontend.
- Develop insurance claim submission and processing features, enabling users to create, track, and manage claim requests.
- Design and integrate RESTful APIs to facilitate secure communication between frontend and backend systems.
- Assist with frontend development using Vue.js, Pinia, and Tailwind CSS, and integrate Firebase Cloud Messaging (FCM) for real-time notifications.
- Collaborate with cross-functional teams on requirements gathering, system testing, bug fixing, and performance optimization.

Prodia Whitelabel (Content Management System)

- Develop and maintain a scalable Content Management System (CMS) for business content and operational workflows across multiple modules.
- Build and enhance frontend applications using Vue.js, Pinia, Tailwind CSS, and PrimeVue.
- Implement content management features including Promotion, Survey, FAQ, and Product Management modules.
- Implement Role-Based Access Control (RBAC) to manage user permissions by role.
- Collaborate with backend developers, UI/UX designers, and stakeholders to deliver business requirements and ensure seamless system integration.
- Optimize application performance and maintainability through component reusability and frontend best practices.

Rembo Printing (Printing Management System)

- Maintain and enhance a web-based printing management system supporting operational printing workflows.
- Develop backend services using NestJS, TypeORM, and PostgreSQL.
- Contribute to frontend development using Vue.js, Pinia, Tailwind CSS, and PrimeVue.
- Analyze and optimize printing process workflows to ensure accurate status transitions across the production lifecycle.
- Investigate and resolve application bugs to improve print job tracking and overall system reliability.

EIGER Adventure Store Affiliate Program

- Build a Role-Based Access Control (RBAC) feature to restrict user access rights on the Content Management System.
- Implement data encryption, decryption, and masking at the database level using PostgreSQL.
- Develop a feature to export data to Excel format and send it to the logged-in user's email.
- Build a program to calculate income tax based on configurable rules.
- Contribute to developing automation scripts using Selenium.

BCA Human Resources Information System

- Develop backend services using Spring Boot, PostgreSQL, and Spring Batch.

- Implement Master Data Download and Upload modules for employee master data.
- Build a batch program using Spring Batch to enter family member dependent data into the database.
- Implement the Grade Advancement Eligible Report to check employee promotion eligibility based on prior assessments.
- Develop a SAP2DIG program within the Master Data Download module.
- Maintain and improve existing application features, including troubleshooting and resolving system defects.

Fullstack Developer

CV. Torche Indonesia

July 2023 – July 2024

Sistem Database Permayarakatan

- Contributed to backend development using Lumen, Laravel, ASP.NET, MinIO, Redis, and Pusher.
- Contributed to frontend development using Vue.js, Vuex, Element Plus, and Tailwind CSS.
- Built a fingerprint scanning interface using the Digital Persona SDK.
- Implemented the SourceAFIS library to perform biometric fingerprint identification.

Fullstack Developer (Freelance)

Great Website Studio

September 2022 – June 2023

Roti Macan

- Built a full-stack e-commerce platform from scratch for a bakery and coffee shop using NestJS, TypeScript, TypeORM, and PostgreSQL, with a frontend built on Next.js, React.js, TanStack Query, Tailwind CSS, and Radix UI.
- Developed a customer storefront with a categorized product catalog, product variants, guest checkout, Google login, account-free order tracking, and address book and order history for registered customers.
- Designed a pickup scheduling system with daily and per-session bread quotas, showing only date and session slots that still have capacity for every item in the cart.
- Integrated the Midtrans payment gateway supporting QRIS, virtual accounts, e-wallets, and card payments.
- Built an admin panel for managing products, variants, media galleries, tags, stock with movement history, customers, and configurable Role-Based Access Control (RBAC), along with tax, pickup session, and storefront settings.
- Developed a drag-and-drop kanban fulfillment board with 15-second auto-refresh for multiple concurrent staff, role-based queues, pickup-time urgency indicators, and undoable status transitions.
- Implemented a barcode scanner for order handover using the device camera (BarcodeDetector/ZXing WASM) or scanner guns, with duplicate-scan prevention and audio confirmation, plus production pick lists, printable order labels, and Excel exports using ExcelJS.
- Implemented background job processing with Redis and BullMQ, image processing with Sharp and AWS S3, templated emails with Nodemailer and Handlebars, API documentation with Swagger, unit testing with Jest, and deployment with PM2.

Golden Monkey Group

- Built a customer classification platform from scratch using Laravel and MySQL.
- Designed a customer classification system based on visit frequency and customer engagement data.
- Optimized the database structure for storing customer visit histories and classification records.
- Collaborated with stakeholders to translate business requirements into scalable web application features.

Anekatransport

- Built an online bus ticket booking platform from scratch using Laravel, Nuxt.js, PostgreSQL, Redis, and PgBouncer.
- Developed a reservation system enabling customers to search routes, select schedules, choose seats, and purchase tickets, integrated with the Finpay payment gateway.
- Designed RESTful APIs and PostgreSQL schemas for routes, schedules, bookings, passengers, and payment records.
- Implemented real-time seat inventory and booking validation mechanisms to prevent overbooking and ensure data consistency.
- Optimized application performance using Redis caching and PgBouncer connection pooling.
- Developed responsive interfaces with Nuxt.js, including administrative dashboards for managing routes, schedules, and reservations.

Fullstack Developer (Intern)

PT. Basicteknologi Intersolusi Tersinergi

July 2022 – November 2023

MyInnovillage

- Developed and maintained a web-based innovation management platform using Laravel and MySQL.
- Designed a proposal submission workflow enabling students to submit innovation proposals through a centralized system.
- Built a multi-reviewer evaluation system allowing multiple assessors to review, score, and provide feedback on proposals.
- Developed authentication and authorization mechanisms, including Role-Based Access Control (RBAC), across user roles.
- Implemented user management features, including registration, profile management, and role administration.
- Performed database design, API development, and frontend-backend integration to support end-to-end functionality.

Adhi Persada Beton E-Presence

- Maintained and enhanced an employee attendance and workforce management system.

- Diagnosed and resolved application issues to improve system stability and reliability.
- Analyzed and corrected payroll calculation logic to ensure accurate employee compensation processing.
- Implemented bug fixes and performance improvements across existing application modules.

Pertamina Baubau

- Developed a vessel monitoring and operational management system from scratch using Laravel and MySQL.
- Implemented features for tracking oil tanker operational status, including sailing, idle, and loading activities.
- Developed real-time status tracking functionality to provide visibility into vessel operations and logistics activities.
- Designed and integrated APIs to support data exchange between operational systems and user interfaces.

EDUCATION

Software Engineering (Rekayasa Perangkat Lunak)

SMK Balai Perguruan Putri Bandung

2020 – 2023