

IRVAN TAUFIK

Backend Software Engineer

Bandung, Indonesia | +62 823 1515 6668 | irvantaufik28@gmail.com
LinkedIn: irvan-taufik-bb858b244 | GitHub: irvantaufik28

PROFESSIONAL SUMMARY

Backend Software Engineer with more than 4 years of experience developing enterprise applications, B2B platforms, and integrated systems. Experienced in backend development, REST APIs, third-party integrations, caching architecture, real-time data synchronization, payment integration, and end-to-end application development.

Experienced with PHP/Laravel, Node.js/NestJS, Go, PostgreSQL, MySQL, MongoDB, Redis, Kafka, Debezium, Vue.js, React.js, and Next.js. Hands-on experience with business logic development, inter-service integration, data synchronization, frontend modernization, deployment workflows, and application troubleshooting.

Uses AI-assisted and agentic development workflows to support codebase analysis, feature implementation, debugging, code review, and technical documentation throughout the software development process.

TECHNICAL SKILLS

Languages: PHP, JavaScript, TypeScript, Go, SQL

Backend: Laravel, Node.js, NestJS, Express.js, REST API, OOP

Frontend: Vue.js, React.js, Next.js, HTML, CSS

Database: PostgreSQL, MySQL, MongoDB

Data & Messaging: Redis, Kafka, Debezium, Logstash, Change Data Capture (CDC)

Cloud & DevOps: AWS, Docker, Jenkins, GitLab CI/CD

Architecture & Integration: Third-Party API Integration, Caching, Data Synchronization, Payment Integration, Authentication, 2FA

AI-Assisted Development: Agentic Coding Workflow, MCP (Model Context Protocol), Codebase Analysis, AI-Assisted Code Review, Prompt & Context Engineering

WORK EXPERIENCE

Greenlab Group — Jakarta, Indonesia

Backend Developer | Full Time

Feb 2022 – Present

Contribute to the development and maintenance of multiple enterprise applications, including CLICK and TAMS for Bank Mandiri as well as HRSTEPS, with a focus on backend development, full-stack development, system integration, and deployment workflows.

CLICK & TAMS — Bank Mandiri

- Develop and maintain Laravel-based backend services to support internal business processes and workflows.
- Delivered more than 10 backend features for the CLICK platform and developed REST APIs used by internal applications.
- Optimized SQL queries and backend logic to improve API performance and reduce processing overhead.
- Refactored legacy code, performed debugging and testing, and resolved issues to improve maintainability and application stability.
- Collaborated with frontend developers, QA engineers, and business analysts to translate business requirements into technical solutions.

HRSTEPS

- Develop and maintain Laravel- and PostgreSQL-based backend services and REST APIs for various processes within the Human Resource Management platform.
- Develop and maintain the Vue.js frontend, including API integration, state management, forms, data tables, and application workflows.
- Develop end-to-end features covering backend business logic, API integration, and user interface implementation and refinement.
- Perform debugging, testing, and troubleshooting across backend and frontend components to maintain application reliability and consistency.
- Built and configured Jenkins CI/CD on the server to streamline deployment and provide the team with faster, standardized deployment access.
- Manage Docker-based deployment environments to support application development and deployment processes.

PT. Maju Bersama Laundreein Outsourcing — Bandung, Indonesia

Project-Based Fullstack Developer | Part Time

Mar 2024 – Present

Contribute to the development of Hoterip, a B2B hotel booking platform, with a focus on backend development, hotel supplier integration, caching architecture, real-time data synchronization, payment integration, and frontend modernization.

Hoterip

- Develop hotel supplier and third-party API integrations for hotel availability, room rates, cancellation policies, and booking, including normalization of supplier responses into Hoterip internal standards.
- Designed a Redis-based caching architecture to improve data availability and reduce dependency on upstream services.
- Develop and maintain a Change Data Capture (CDC) pipeline using Kafka, Debezium, and Logstash for real-time data synchronization across systems.

- Develop and maintain Go-based services to support CDC processing and cache synchronization.
- Contribute to a backend ecosystem built with Laravel, Node.js/NestJS, and Go for hotel integration, booking, caching, and data synchronization.
- Develop booking lifecycle workflows covering room/rate validation, booking transactions, booking status, cancellation policies, and data persistence for hotel supplier integrations.
- Integrated WEX Payment Gateway for booking payments, including authorization, transaction logging, validation, and error handling.
- Rebuilt and migrated the Hoterip B2B frontend from React.js to Next.js with a more modular architecture, covering authentication, hotel search, hotel details, booking workflows, state persistence, and backend API integration.

EDUCATION & CERTIFICATIONS

Binar Academy — Jakarta, Indonesia

Frontend Engineering Certificate

Feb 2023 – Jul 2023

- Led a team in developing a car rental application using React.js.
- Designed the frontend structure, reusable UI components, routing, and state management.
- Integrated the frontend with backend APIs and participated in code reviews.

Binar Academy — Jakarta, Indonesia

Backend JavaScript Certificate

Jul 2022 – Nov 2022

- Studied backend development using JavaScript, Node.js, PostgreSQL, and REST APIs.
- Covered API documentation, testing, deployment, WebSockets, mailers, and authentication.
- Received the The Most Progressive Student — Backend JavaScript Wave 3 award.

Universitas Komputer Indonesia — Bandung, Indonesia

Computer Science — 56 Credits Completed

Jun 2012 – Jul 2014

SMK YPPT Garut — Garut, Indonesia

Computer and Network Engineering

Jun 2009 – Jun 2012

AWARDS

The Most Progressive Student — Backend JavaScript Wave 3

Binar Academy, 2022