

Salwa Amalia

Back End Developer

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SUMMARY

Back End Developer with 4+ years of experience building scalable web applications, APIs, and enterprise platforms. Currently developing secure enterprise systems with a focus on API security and SAP ERP integration. Focused on secure API design, data consistency, and performance optimization in financial and transactional workflows. Previously worked on POS and ERP platforms for multi-outlet restaurant chains.

EXPERIENCE

PT Duta Digital Nusantara | Vhiweb – Jakarta Pusat, Indonesia

Back End Developer (May 2025 – Present)

- Developed and maintained scalable enterprise applications using PHP Laravel, integrating Filament and Laravel Nova for efficient backoffice management.
- Authored comprehensive unit test suites (PHPUnit) and published standardized OpenAPI/Swagger documentation to ensure API reliability.
- Implemented enterprise API security using OAuth2 (Laravel Passport), JWT Bearer Authentication, and SSO with secure token rotation and suspicious login detection.
- Enforced granular Role-Based Access Control (RBAC) and API rate limiting to protect endpoints against unauthorized access.
- Built security audit trail logging mechanisms to track sensitive data mutations and ensure system compliance.
- Integrated automated two-way financial data synchronization pipelines between backend engines and SAP ERP for real-time accounting consistency.
- Optimized high-throughput batch data ingestion and calculation engines via background queue workers (Redis).
- Configured Docker containerization and maintained automated CI/CD workflows using GitHub Actions.

PT Erepto Digital Solution – Bandung, Indonesia

Back End Developer (August 2022 – Mei 2025)

- Developed, optimized, and maintained core restaurant POS ERP, Waitress POS, Self-Order App, and Real-Time Kitchen Display systems using Ruby on Rails.
- Wrote comprehensive unit tests (RSpec) alongside clear API specifications, ensuring high application uptime and data consistency.
- Architected and optimized relational database schemas and PostgreSQL queries to handle high transactional volume during peak hours.
- Engineered resilient offline-sync API endpoints and automated stock/recipe deduction algorithms across multi-outlet restaurant chains.
- Integrated third-party payment gateways, digital wallets, and hardware printing devices.
- Collaborated across engineering teams to troubleshoot critical production issues and enforce clean coding standards.

CV Himagrib – Bandung, Indonesia

Full Stack Developer (August 2021 - December 2021)

- Built and deployed custom web applications using PHP, Laravel, and CodeIgniter frameworks.
- Developed and configured customized content management platforms utilizing WordPress.

EDUCATION

Swadharma Institute of Technology and Business (2023 - Present)

Bachelor of Informatics Engineering (Working Professional Program)

Wikrama Vocational High School (2019 - 2022)

Software Engineering

TECHNICAL SKILLS

- **Languages:** PHP, Ruby, Go, Java, JavaScript, SQL
- **Web Technologies:** HTML, CSS

- **Frameworks & Libraries:** Laravel, Ruby on Rails, Gin, Spring Boot, CodeIgniter, Filament, Laravel Nova
- **Databases & Caching:** PostgreSQL, MySQL, Redis
- **API & Documentation:** RESTful APIs, GraphQL, OpenAPI / Swagger
- **Testing & DevOps:** PHPUnit, RSpec, Go Testing, Docker, CI/CD (GitHub Actions), Git

PROJECTS

- Restaurant ERP System, Waitress App, Customer App & Kitchen Display
- PSAK 71 Financial Calculation & SAP Integration System
- Power Grid Asset Management & Electrical Simulation System
- Grid Infrastructure Planning & Proposal Management System
- Munio Membership, E-Commerce & Multi-Tenant Dashboard
- Gardata Data Privacy & Compliance Governance System (ROPA & DPIA)
- Employee Self-Service (ESS) & HR Management System
- Superform Employee Performance & Manday Allocation System
- Magami Multi-Tenant Marketing Gamification Platform
- Tuition Payment (SPP) & Online Student Admission (PPDB) System