# Muhammad Erwin Arif

muherwinarif31@gmail.com | +62 851-6635-0949 | linkedin.com/in/erwinarif | github.com/erwinarif31

Full-stack developer with 3 years of experience building web applications with PHP/Laravel, Go, and JavaScript/TypeScript. Own end-to-end delivery, from Blade, Livewire, and React interfaces to backend APIs, third-party integrations, testing, and production deployment.

## Work Experience

**PT. Dignity Digital Space** Makassar, Indonesia
*Full Stack Developer* *Aug. 2025 – Present*

- Built a clinic information system from requirements gathering through deployment using Laravel, Blade, and MySQL, serving about 1,000 patients daily across six sites.
- Implemented responsive interfaces and workflows for registration, doctor consultations, pharmacy, laboratory, and pregnancy care, with reusable components, form validation, loading/error feedback, and PDF/Excel reporting.
- Integrated the system with BPJS Kesehatan (Indonesia's national health insurer) and SATUSEHAT (Indonesia's national health data platform) to verify insurance eligibility, register patient visits, manage queues, and exchange clinical data securely.

**SodraTech** Makassar, Indonesia
*Back-End Developer* *Feb. 2025 – Jul. 2025*

- Built a REST API with Express.js and TypeScript for a university department portal.
- Implemented backend support for 10+ CMS-driven page layouts.
- Implemented role-based access for administrators, lecturers, and users to protect student and administrative data.

**PT. Inti Utama Solusindo (Pharos Group)** Jakarta, Indonesia
*Back-End Developer Intern* *Feb. 2024 – Jun. 2024*

- Built an internal server-driven UI framework with Python and Django, managing 70+ widgets and reusable components used by multiple teams.
- Implemented background data-transfer workflows with Celery and RabbitMQ, cutting processing time by more than 90% while preserving dependencies between databases.
- Overhauled the authentication system, restructuring how the application handles user sign-in and access.

**NPE Digital** Makassar, Indonesia
*Full Stack Developer (Part-Time)* *Jul. 2023 – Jan. 2025*

- Built student registration and payment workflows with Laravel and Livewire, integrating existing UI components using Tailwind CSS and Alpine.js. The portal handled 1,000+ applications in its first admission cycle.
- Built REST APIs with Express.js, TypeScript, and Prisma for a multi-tenant academic system used by 1,000+ students at 2 universities.
- Built an internal web application for assigning tasks, tracking project progress, and sending deadline reminders.

## Selected Projects

- **REWAKO, Government Budget Planning App (2026)** [**Demo**]: Built the React/Inertia frontend and Laravel/MongoDB backend for a government budget planning app, migrating it from Firebase. Implemented per-unit edit rights, transactional audit logging, and conflict detection for concurrent edits.
- **Platform Latihan SQL Capekka (2024)**: Built a SQL practice platform for campus database labs and competitions. Submissions are processed in parallel with Go goroutines and channels, with 99.9% uptime during peak competition load.

## Skills

- **Frontend**: JavaScript, TypeScript, React, Blade, Livewire, Alpine.js, Tailwind CSS
- **Backend & Integration**: PHP, Laravel, Go, Express.js, REST APIs, OAuth 2.0, HL7 FHIR, asynchronous processing
- **Databases & ORMs**: SQL, MySQL, PostgreSQL, MongoDB, Eloquent, Prisma, SQL optimization
- **Tools & Platforms**: Git, Docker, Nginx, Linux server administration, RabbitMQ, Celery, Postman

## Education

**Universitas Hasanuddin** Makassar, Indonesia
*Bachelor of Information Systems; GPA: 3.96/4.00* *Aug. 2021 – Oct. 2026*

- **Research Publication**: Co-authored research benchmarking SQL and NoSQL query performance in an e-commerce environment.
- **Lab Assistant (2025)**: Led Database and Object-Oriented Programming lab sessions, graded assignments, and helped prepare course materials.