RISYAD RIDWANSYAH

Web Developer / Fullstack Developer

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SUMMARY

Informatics Engineering diploma graduate (D3, GPA 3.79/4.00) with fullstack experience across the development life cycle Laravel, React.js, PostgreSQL/MySQL, REST API and CAS-based SSO integration, testing, and deployment. Led 3 developers on the production KaGeo system and 4 QA interns who managed 102 bugs (84% resolved). Co-author of a journal article on web programming education with Laravel.

EDUCATION

Diploma, Informatics Engineering – Universitas Logistik dan Bisnis Internasional, Bandung Sep 2023 – Aug 2026

- GPA 3.79 of 4.00 | Graduated: August 2026
- Co-authored the journal article *"Improving Web Programming Competence Through Laravel Bootcamp for Vocational High School Students"* (Jurnal MERPATI, ULBI), contributing to technical data evaluation: participants' understanding of MVC concepts improved by 85% and CRUD implementation by 90%.
- Authored the ISBN-registered book *Membangun Aplikasi To-Do List dari Nol* (Building a To-Do List Application from Scratch), published in 2025 by Fasslib Serambi Media.

WORK EXPERIENCE

PT Primalogic Global Teknologi – Dana Pensiun PT Pupuk Kalimantan Timur, Jakarta March 2026 – June 2026

SQA (Software Quality Assurance) Intern

- Led a team of 4 QA interns during testing of the DP PKT pension fund system, delegating tasks from the QA Lead and reporting team progress daily.
- Performed Vendor Integration Testing (VIT) and black-box testing across the Administrator, Accounting, and Membership modules to verify functions and data flow, documenting every finding in issue logs.
- Managed defects in the testing phase of the SDLC through issue logs classified by priority and severity, and verified fixes with the backend team before production, resulting in 102 bugs managed at an 84% resolution rate and a more stable system for client handover.
- Built a Project Tracker web application (.NET, SQL Server) with SSRS reports on project status, task completion, and team performance for management, developed with AI coding tools (opencode, Claude Code) and verified through code review and testing.

Museum Geologi Bandung, Bandung June 2024 – Dec 2024

Fullstack Developer Intern | KaGeo Collection Storage Management System

- Replaced manual, fragmented collection records by leading a team of 3 developers in building the KaGeo management system (Laravel, React.js, Tailwind CSS, PostgreSQL), now used regularly by internal staff.
- Connected the system to ministry services by integrating Ministry of Energy and Mineral Resources (ESDM) REST APIs, CAS-based Single Sign-On (SSO), SIPEG, and regional data services.
- Fixed missing SIPEG employee data caused by request timeouts: traced application logs, tested the endpoint in Postman, applied a fix, and re-tested with real data until it displayed correctly.
- Secured and stabilized the system by implementing authentication and authorization workflows, debugging the backend, optimizing performance, and deploying it to a production hosting environment.
- Aligned the system with museum needs by directing developers on implementing business processes, recommending business process solutions, and reporting progress to stakeholders every three weeks.

Balai Besar Survei dan Pemetaan Geologi Kelautan, Bandung June 2022 – Sep 2022

Web Developer Intern | Marine Research Information & Meeting Management System

- Streamlined meeting management and research map access for internal users by developing two responsive web applications with Laravel and Bootstrap.
- Designed MySQL databases for data storage and querying, and applied security measures for data handling.
- Supported the organization's digitization efforts by assisting with network setup and document conversion.

PROJECTS

FocusTalk – English learning mobile application, Bandung Jun 2025 – Jul 2025

Fullstack Developer

- Developed an offline-first English learning app (Flutter, SQLite) with gamification features (leaderboards, streaks, XP) to encourage consistent micro-learning.
- Built a RESTful API with FastAPI (Python) handling JWT authentication, profile synchronization, and leaderboard data aggregation.
- Implemented a rule-based algorithm and system overlay that triggers educational quizzes over distracting apps, with an adaptive number of questions per intervention.

LANGUAGES AND SKILLS

- **Languages:** Indonesian, English
- **Programming & Frameworks:** PHP (Laravel), JavaScript (React.js, Express.js), Python (FastAPI), C# (.NET), Dart (Flutter), HTML5, CSS3, Tailwind CSS, Bootstrap
- **Databases & Reporting:** PostgreSQL, MySQL, SQL Server, SQLite, SSRS, DBeaver
- **Tools & Platforms:** Git, GitHub, Postman, Visual Studio Code, Laragon, Excel, Google Sheets
- **AI Tools:** GitHub Copilot, Claude Code, Gemini, opencode
- **Soft Skills:** Leadership, Teamwork, Communication, Problem Solving, Critical Thinking
- **Focus Areas:** Fullstack Web Development, Back-End Development, REST API Development, Object-Oriented Programming, Debugging, Software Testing

ORGANIZATIONAL EXPERIENCE

Head of Training Department – Himpunan Mahasiswa Teknik Informatika, ULBI Nov 2023 – Jun 2026

- Led a 5-member Training Department and guided members to compete, resulting in a 1st Runner-Up finish at Winaction 2026 (UI/UX Design category).
- Led a 3-member development team for PEMIRA ULBI, the election system used by 21 student organizations with 1,000+ voters.
- Served as Event Chair and Speaker of the Laravel Bootcamp 2025, teaching 19 participants to build a To-Do List application.
- Taught 32 students at SMK Negeri 2 Cimahi in a Community Service Program (PKM) on web programming with Laravel (Sep 2025).
- Spoke to 37 teachers at SMKN 3 Bandung in a PKM program on the use and ethics of AI as a school administration tool.

TRAINING AND CERTIFICATIONS

Computer Networking Competency Test – Competent, LSP P1 ULBI (BNSP) Sep 2026

SAP BC400 – Introduction to the ABAP Workbench, SAP University Partnership July 2025

Internship Completion Certificate – Bandung Geological Museum Dec 2024