

Gilang Ramadhani Alifianto

Full-Stack Developer (Frontend, Backend, QA & DevOps)

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PROFESIONAL SUMMARY

A recent Information Systems graduate from Telkom University with end-to-end web development experience spanning **frontend, backend, quality assurance, and DevOps**. Gilang builds with **Laravel, React, and Next.js** on the frontend, and **Python (FastAPI), RESTful API, SQLAlchemy, Laravel (Sanctum, Middleware)** and currently learning **Golang** and **Spring Boot** on the backend, while also validating product quality through **manual testing (User Acceptance Testing, Blackbox Testing)** and **automated testing (Selenium, Laravel Dusk, Grafna K6)** within **Agile/Scrum-based SDLC** and **Jira-managed sprints**. He strengthens this full-stack workflow with hands-on DevOps practice, including **CI/CD pipelines, Docker containerization, AWS Ubuntu-based VPS deployment, and Git-based version control**, alongside UI/UX design in **Figma**. Currently serving as a Software Project Lab Assistant and UI/UX Designer in the ESD Study Group, Gilang is a fast, self-driven full-stack engineer who thrives on designing, building, testing, and shipping reliable, production-ready products from end to end.

EDUCATION LEVEL

Telkom University	Indonesia
<i>Information Systems</i>	2022 - 2026
- Cumulative GPA: 3.53/4.00 (146/146) - Relevant Course: Software Project, Web Application Development, Latest Information System Technologies, Capstone Design And Project - Organization/Achievement: Web Application Development Lab Assistant, Software Project Lab Assistant, ESD Study Group	

PROJECT EXPERIENCE

- **Code Project (2026):** A final year project implementing a multiuser backend system for Omron blood pressure monitors a FastAPI + SQLAlchemy REST API with JWT-based authentication and Bluetooth Low Energy (BLE) device communication, focused on connection stability, data integrity, and real-time device monitoring.
- **Mobile Project (2024):** MyPlant is an Android application for plant care that lets users detect diseases through photo uploads and receive treatment recommendations.
- **Code Project (2025):** Point of Sales System is a complete POS application with an API built in Laravel and a responsive frontend developed with JavaScript.
- **Code Project (2024):** Suara Anda is a platform for reporting cases of sexual harassment, built with the Laravel framework to provide a safe and anonymous reporting system.
- **IoT Project (2025):** IoT Drowsiness Detector is a driver-safety device built with ESP32-S3-CAM and Blynk that detects signs of drowsiness and sends real-time alerts to the user.
- **UI/UX Project (2024):** EduNest (Intuitiva) is a learning application designed for students to easily study various subjects through a single integrated platform.
- **UI/UX Project (2024):** MyAndalan is an enterprise application developed for PT Andalan Fluid Sistem to help employees perform their daily tasks more efficiently.
- **UI/UX Project (2024):** MyBudin is a history-learning application equipped with AR (Augmented Reality) to translate inscriptions, featuring videos on historical topics.
- **UI/UX Project (2024):** Dietyuk! is a health application for managing and tracking calorie intake with personalized recommendations.

WORK EXPERIENCE

Rumah BUMN Telkom Pekalongan

Indonesia

Fullstack Developer & Social Media Intern

Jun – Dec 2025

Rumah BUMN is a platform for mentoring and developing MSMEs (Micro, Small, and Medium Enterprises) initiated by the Ministry of State-Owned Enterprises to enhance the competence, access to capital, and market opportunities of business actors.

Skills: Analyst, Fullstack

- Spearheaded a complete end-to-end website redesign and deployment for Rumah BUMN Telkom Pekalongan, owning UI/UX design, backend architecture, and the API layer to deliver a modern, user-centric MSME platform
- Independently developed, tested, and deployed the full-stack website end-to-end from frontend UI and backend API/database design to provisioning and deploying on an AWS Ubuntu-based VPS serving as a centralized hub for 50+ local MSME businesses
- Conducted User Acceptance Testing (UAT) and used MySQL for database management and data validation to ensure the redesigned website met business and MSME-user requirements before go-live
- Engineered an Instagram automation system using scripting tools, reducing manual community management workload by ~40% and enabling consistent daily engagement
- Drove social media content strategy that consistently achieved 500+ views and interactions per post, strengthening the organization's digital presence across platforms
- Bridged analytical and technical skills by combining social media data insights with hands-on full-stack development to align digital products with user behavior

Enterprise Application Development

Indonesia

Web Application Development Lab Assistant

April – July 2025

Web Application Development is a course in the Information Systems program for fourth-semester students, under the supervision of the Enterprise Application Development Laboratory.

Skills: Web Development, Frontend, Teaching

- Delivered hands-on technical instruction across 4 practicum shifts (28+ students), including one international class conducted entirely in English
- Authored and presented a comprehensive practicum module on CRUD operations, Middleware, and backend architecture in Laravel, applying MySQL for database-level practice, adopted as official courseware for a 5-module curriculum
- Coached 7+ students per class through real-world web development scenarios, fostering practical problem-solving skills in HTML, CSS, JavaScript, and Laravel
- Recognized for excellence in student engagement, contributing to high practicum completion and satisfaction rates across all assigned shifts

Enterprise Application Development

Indonesia

Software Project Lab Assistant

April – July 2026

Software is a course in the Information Systems program for sixth-semester students, under the supervision of the Enterprise Application Development Laboratory.

Skills: Testing, DevOps, Teaching

- Mentored 20+ students across multiple teams in designing, building, testing, and deploying scalable full-stack web applications and APIs using the Laravel ecosystem
- Performed automated testing using Selenium and Laravel Dusk, and conducted manual testing — including User Acceptance Testing (UAT) and Blackbox Testing plus MySQL-based database and query validation to verify application quality before deployment
- Implemented and enforced professional DevOps workflows including CI/CD pipelines, automated testing, and code review processes, elevating project quality standards

- Led adoption of Agile methodologies (Scrum) with GitHub Projects and Jira, enabling teams to deliver sprint-based iterations with measurable velocity improvements
- Coordinated media and documentation efforts, ensuring consistent project visibility and professional-grade deliverables across all mentored teams

Kantor Wilayah Kementerian Keuangan DJPb Provinsi Jawa Barat

Indonesia

Pembinaan Pelaksanaan Anggaran II

December – February 2025

The Regional Office of the Ministry of Finance, DJPb (Directorate General of Treasury), West Java Province, is a government institution responsible for managing public finances in the West Java region.

Skill: Data Analysis, Graphic Design

- Processed and transformed 200+ raw data entries using advanced Pivot Table techniques in Excel, delivering structured financial reports for executive review
- Designed the official Regional Fiscal Study publication, combining data visualization and graphic design to create a professionally polished reference document
- Consolidated and standardized financial data reports from 5+ cities across West Java Province, improving cross-regional data consistency and reporting accuracy
- Compiled and visualized data for the Asset & Liabilities Committee, supporting strategic financial decision-making at the provincial level

Yayasan Amal Produktif Indonesia

Indonesia

Internship Graphic Design

July – October 2024

Yayasan Amal Produktif Indonesia is a humanitarian organization based in Bandung, West Java, dedicated to empowering communities through productive charitable programs.

Skill: Graphic Design, Visual Branding, Social Media Content

- Produced 100+ professional-quality cover and feed designs, establishing a cohesive visual identity for the organization's digital presence
- Designed high-engagement Instagram content that garnered 400+ likes per post, significantly boosting the organization's social media reach and follower growth
- Conducted independent concept research and asset curation for design projects, demonstrating self-direction and creative initiative in a fast-paced environment

ACHIEVEMENT AND OTHER EXPERIENCE

- **Achievements (2024):** 2nd Place in UI/UX Mobile App Design at ITSpecta, Universitas Muhammadiyah Yogyakarta

SKILL AND INTEREST

Languages: (Native) Indonesian, (Beginner) English

Softskill: Creative Thinking, Communication, Problem Solving, Team Collaboration, Adaptability

Hardskill:

- **Front-End Development:** Laravel, React, Next.js, TypeScript, Tailwind CSS
- **Back-End Development:** Python, FastAPI, RESTful API, SQLAlchemy, Laravel (Sanctum, Middleware)
- **Quality Assurance:** Manual Testing (UAT, Blackbox Testing, Regression Testing), Automated Testing (Selenium, Laravel Dusk), SDLC & Agile/Scrum, Jira
- **Database:** MySQL, SQLite, SQL Query Validation
- **DevOps & Automation:** CI/CD Pipelines, Docker, AWS Cloud/VPS Deployment, Linux/Ubuntu Server Administration, Git/GitHub
- **Mobile Development:** Kotlin, Expo, Flutter
- **UI/UX Design:** Figma

Interest: Full-Stack Development, Quality Assurance & Testing, DevOps Engineering, UI/UX Design, Web Development

Currently Learning: Golang, .Net, Spring Boot, Vue.js