

WILLIAM TANUWIJAYA

SOFTWARE ENGINEER

will.tw0807@gmail.com | 0896-9524-7023 | Palembang, Indonesia
linkedin.com/in/william-tanuwijaya | williamtanuwijaya.github.io

ABOUT ME

I am William Tanuwijaya, a 2026 Informatics graduate from Universitas Multi Data Palembang. I specialize in Full-Stack Web Development and Machine Learning, with a proven track record of building secure, scalable web applications and a research background in Computer Vision for medical imaging.

SKILLS

- JavaScript | HTML | CSS | PHP | React.js | Next.js | Bootstrap | Tailwinds
 - Web Development | Go | Express.js | Laravel | MySQL | PostgreSQL | Git | Docker
 - Clean Code | Object Oriented Programming | Debugging | Unit Testing
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WORK EXPERIENCE

Web Developer (Remote | Freelance)

August 2023 - now

CV. Namu Kreativa | Jakarta Barat, Indonesia

- Developed a gift-set (hampers) web application using Laravel 12 and MySQL
- Designed and implemented features including a company profile, article pages, and a dedicated administrative panel.
- Engineered backend functionalities for article management and user access control (RBAC) for admins and employees.

Lecturer Assitant SOLID Paradigm (Full Time)

September 2025 - January 2026

Universitas Multi Data Palembang | Palembang, Indonesia

- Deep understanding of SOLID principles to ensure software maintainability and scalability.
- Proficient in Object Oriented Programming (OOP) concepts and design patterns.
- Committed to implementing Clean Code practices for highly readable and efficient applications.

Web Developer (Internship)

February 2025 - June 2026

PT Sinar Mandiri Cemerlang Electric | Palembang, Indonesia

- Developed a web based inventory management system using React.js, Express.js, and MySQL.
 - Implemented a Role-Based Access Control (RBAC) system featuring Superadmin, Admin, and User roles with distinct functional premissions.
 - Successfully registered the application as Intellectual Property (HKI) under the name StokBar.
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EDUCATION

Bachelor of Computer Science

2022 - 2026

Universitas Multi Data Palembang

- Conducted undergraduate thesis research in Computer Vision titled "Residual-Gated Attention U-Net with Channel Recalibration for Polyp Segmentation"
 - Published the research findings in a SINTA 3 indexed journal, demonstrating a contribution to the field of medical image analysis.
 - <https://jurnal.polbeng.ac.id/index.php/ISI/article/view/1366/489>
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PROJECTS

BubadibakoExam

Desember 2023 - January 2024

Universitas Multi Data Palembang

- Developed a Computer-Based Test (CBT) application as a primary project for the Web Programming course.
- Utilized a modern tech stack consisting of Laravel 9, Inertia.js, and Vue.js, with MySQL as the relational database.
- Engineered a dual-role system for Admins and Students, ensuring a seamless and responsive user experience.

DeskShoes - Web Development Competition

September 2023

Politeknik Negeri Sriwijaya

- Developed a specialized frontend platform for content creators using Next.js.
- Crafted a multi page interface featuring dynamic product displays, creator portfolios, and a blog section.
- Focused on delivering a high quality UI/UX and responsive design as part of the "Innovation Product By Content Creator" competition.
- <https://deskshoes.vercel.app/>

CampDev - Web Development Competition

September 2023

Universitas Negeri Jakarta

- Built "CampDev." a specialized web course platform leveraging React.js to deliver a highly responsive and interactive user interface.
 - Designed a modular frontend system that facilitates diverse learning paths, ensuring a smooth transition between course catalogs and learning modules.
 - Contributed to the Informatics Engineering Competition 2023, demonstrating the ability to translate complex themes into a functional and modern digital solution.
 - <https://campdev.vercel.app/>
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CERTIFICATIONS

- Belajar Membuat Aplikasi Back-End untuk Pemula | Dicoding Indonesia | September 2023
- Belajar Membuat Aplikasi Web dengan React | Dicoding Indonesia | September 2023
- Belajar Membuat Front-End Web untuk Pemula | Dicoding Indonesia | September 2023
- Fundamental Front-End Web | Coding Studio | August 2023
- Belajar Prinsip Pemrograman SOLID | Dicoding Indonesia | Desember 2022
- Belajar Dasar Pemrograman JavaScript | Dicoding Indonesia | October 2022
- Belajar Dasar Pemrograman Web | Dicoding Indonesia | July 2022