

WILLIAM TANUWIJAYA

FULL-STACK DEVELOPER | SOFTWARE ENGINEER

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ABOUT ME

Full-Stack Developer with hands-on experience building scalable web applications using JavaScript (React.js, Next.js, Node.js), PHP (Laravel), and Go (Gin). Strong foundation in RESTful API development, relational databases (MySQL, PostgreSQL), Docker-based deployment, and clean, maintainable code and designing robust architectures aligned with SOLID principles and OOP best practices.

SKILLS

Programming Languages:

JavaScript, PHP, Go, Python

Frontend Development:

React.js, Next.js, Vue.js, HTML, CSS, Bootstrap, Tailwind CSS

Backend Development:

Node.js (Express.js), Go (Gin), Laravel

Database:

MySQL, PostgreSQL

Engineering Practices:

Object Oriented Programming, SOLID Principles, Clean Code, RESTful API Development, Unit Testing

WORK EXPERIENCE

Web Developer (Remote | Freelance)

August 2023 - now

CV. Namu Kreativa | Jakarta, Indonesia

- Developed a gift-set (hampers) web application using Laravel 12 and MySQL utilizing the Agile approach, where features were delivered incrementally through sprint-based development and continuous testing.
- 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.
- Implemented On-Page SEO strategies, including metadata optimization and semantic HTML, to improve search engine ranking and organic discoverability of the platform.
- View Project: <https://www.bynamu.id/>

Lecturer Assitant SOLID Paradigm (Full Time)**September 2025 - January 2026**

Universitas Multi Data Palembang | Palembang, Indonesia

- Mentored students in software engineering principles, focusing on SOLID, OOP, and clean architecture.
- Guided practical implementation of design patterns and maintainable code practices.
- Facilitated discussions on scalable system design and code quality improvement.

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 following the Agile methodology, enabling iterative development, continuous feedback, and adaptive feature improvements throughout the project lifecycle.
- Designed the user interface and user experience (UI/UX) using Figma prior to development, ensuring a structured, intuitive, and user-friendly design implementation.
- Built and integrated RESTful APIs to enable seamless communication between the frontend (React.js) and backend (Express.js), ensuring efficient data exchange and system scalability.
- Engineered the system to ensure transparent data management and real-time tracking, allowing for clear accountability in inventory movements.
- Implemented a Role-Based Access Control (RBAC) system featuring Superadmin, Admin, and User roles with distinct functional permissions.
- Developed a reporting module that allows users to generate and download inventory reports in Excel and PDF formats for operational and auditing purposes.
- Successfully registered the application as Intellectual Property (HKI) under the name StokBar.

PROJECTS**BubadibakoExam****December 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.
- View Project: <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.
- View Project: <https://campdev.vercel.app/>

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.
- Journal Link: <https://jurnal.polbeng.ac.id/index.php/ISI/article/view/1366/489>

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
- Belajar Prinsip Pemrograman SOLID | Dicoding Indonesia | December 2022