



WAYAN DANU TIRTA

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Maguwoharjo, Kecamatan Depok, Kabupaten Sleman , DI Yogyakarta

Front-End Developer with over 3 years of professional experience, currently serving as Head of Frontend. I specialize in building scalable, high-performance web applications using Next.js, React, and TypeScript, with a strong focus on clean architecture and maintainable code.

While my main playground is the frontend, I also work comfortably on the backend — especially with NestJS, Prisma, and PostgreSQL — to design APIs, handle integrations, and build solid end-to-end features when needed.

I'm passionate about design systems, code quality, and team collaboration. For me, great products come from engineers who can blend creativity, logic, and empathy for users, not just write code that works — but code that feels right.

Experiences

Techave.Dev - Yogyakarta

Dec 2022 - Present

Head of Frontend

Techave is a forward-thinking technology company that helps businesses innovate through design-driven development and scalable digital solutions. With a focus on adaptability and modern engineering, Techave delivers end-to-end web and mobile products that blend strong UI/UX, performance, and reliability. The team values creativity, collaboration, and continuous growth in every project delivered.

- Led and shipped multiple PLN web projects, including Hari Listrik Nasional 79 & 80, from concept to production — made sure every detail matched the Figma design and the user/admin panels worked flawlessly.
- Took charge of financial dashboards, CSR monitoring, and UMK funding systems, building scalable front-end architecture and clean data visualization for nationwide use of PLN.
- Built a real estate web platform with both user and admin dashboards — improved load times by roughly 30–35% through code optimization and smarter API handling.
- Developed a rental management app integrated with Midtrans, automating payments and cutting manual input errors by about 40%.
- Designed and rolled out a POS and warehouse inventory system with real-time stock tracking across multiple branches, which made daily operations noticeably faster and more reliable.
- Acted as Front-End Lead for EastPro's Project Monitoring PWA, complete with offline mode and push notifications — helped the team log project updates up to 30% faster.
- Led the SIM Klinik Pratama Adera front-end build — a full clinical web app with patient queues, medical records, inventory, and integrated Midtrans payment system — which streamlined transactions and simplified staff workflows by around 40–45%.
- Mentored a small frontend team (2 devs), sharing best practices and improving delivery speed while keeping the codebase stable and easy to maintain.
- Worked closely with designers, backend engineers, and clients to keep every project on schedule — consistently delivering on time with high performance and solid maintainability.

Binar Academy - Tangerang, Banten

Feb 2023 - Jun 2023

Remote Intern Full Stack Website Developer

Binar Academy is a leading Indonesian edtech institution that focuses on developing digital talent through practical, project-based learning. It offers high-quality programs in software development, data science, product management, and design. Known for its innovative and collaborative learning environment, Binar Academy equips students with industry-relevant skills and mentorship to help them thrive in the technology field.

- Completed an 8-chapter remote internship at Binar Academy, showing consistency, adaptability, and teamwork throughout the entire program.
- Collaborated with a team of 5 developers to build a Full-Stack E-Ticketing web app as the final project, taking responsibility for both front-end and back-end development.
- Handled the ticket search feature, passenger data input, and part of the API integration, ensuring the app ran smoothly and looked clean across devices.
- Worked closely with teammates to debug, refine, and finalize the app — successfully delivered a functional, fully working product before the deadline.

RevoU - Bandung

Jan 2024 - May 2024

Remote Intern AWS Cloud Data Engineer

RevoU is a leading online education platform in Indonesia that empowers professionals to upskill and transform their careers through live classes, real-world projects, and mentorship from industry experts in data, marketing, and technology.

- Successfully completed an internship program with consistent performance from start to finish.
- Delivered a final data analysis project based on a case study provided by the mentor, demonstrating strong technical understanding and problem-solving skills.

Bootcamp Belajar Dasar Pemrograman JavaScript

Dicoding is an Indonesian learning platform that empowers developers to enhance their skills, build digital products, gain industry-recognized certifications, and connect with partner companies for career opportunities.

- Successfully completed the "Belajar JavaScript Dasar (Basic JavaScript)" course ahead of schedule.
- Achieved a strong score on the final assessment, demonstrating solid understanding of core JavaScript fundamentals.

Dicoding - Bandung

Nov 2023

Belajar Membuat Aplikasi Web dengan React

- Successfully built a Personal Notes Application using the React.js library as part of the final project.
- Completed the Belajar Membuat Aplikasi Web dengan React course with strong results and full project submission.
- Implemented component-based architecture, state management, and responsive UI to deliver a clean and functional user experience.
- Strengthened understanding of modern front-end development, including ES6, React Hooks, and app optimization best practices.

Battistrada Developer - Yogyakarta

Apr 2022

Bootcamp Course Website Developer

Battistrada is a startup that connects students and young professionals with opportunities to grow and adapt to the evolving demands of the tech industry, bridging the gap between education and real-world innovation.

- Successfully completed the Ramadhan Course Program at Batdev Academy, demonstrating consistency and commitment throughout the program.
- Gained practical experience in front-end development fundamentals and collaborative project-based learning.
- Strengthened understanding of modern web technologies and improved problem-solving skills through hands-on coding sessions and mentorship.

Sanber Code - Bandung

Oct 2022 - Present

Bootcamp Course React JS Web Frontend

Sanbercode is a training program under PT. Santai Ngoding Berkualitas, offering intensive one-month bootcamps that provide hands-on learning experiences across various technology and programming fields.

- Successfully completed the React JS Web Frontend Bootcamp at Sanbercode, finishing all modules and final project ahead of schedule while maintaining top performance.
- Collaborated with a team of 4 developers to plan, code, and deploy functional web apps within tight deadlines, achieving 100% project completion rate and positive mentor feedback.

Education Level

SMA Negeri 1 Lempuing - Tebing Suluh, Lempuing, Ogan Komering Ilir Regency, South Sumatra 30657

Jun 2017 - Jun 2020

Sekolah Menengah Atas SMA dengan Jurusan MIPA

- Berhasil lulus SMA dengan baik

Universitas Pembangunan Nasional Veteran Yogyakarta - Jl. Babarsari Jl. Tambak Bayan No.2, Janti, Caturtunggal, Kec. Depok, Kabupaten Sleman, Daerah Istimewa Yogyakarta 55281

Jul 2020 - Apr 2025

Bachelor of Informatics, 3.69/4.00

- Served as Head of Media and Information Department (KOMINFO) at HIMATIF UPN "Veteran" Yogyakarta (2022–2024) — led communication strategies, digital media, and branding initiatives that reached over 1,000 Informatics students.
- Directed a team of 6 members, managing content, publication, and media campaigns across multiple organizational events and social platforms.
- Successfully served as Event Leader for PKK Sakara 2022, coordinating the entire new student orientation program with 5+ departments and over 150+ participants, ensuring smooth operations from planning to execution.
- Actively contributed as a member of the Information Technology Community (ITC) in the Web Developer Division, collaborating on 2+ internal web projects and participating in team coding sessions and mentorship activities.
- Previously served as Staff of Communication and Information Division (2021–2022) at HIMATIF, handling internal communications and digital publications for student events, improving content delivery efficiency by ~25%.
- Graduated with a Bachelor's Degree in Informatics from UPN "Veteran" Yogyakarta with a GPA of 3.69/4.00, demonstrating consistent academic excellence and strong technical foundation.

Organisational Experience

Himpunan Mahasiswa Informatika - Yogyakarta

Jan 2021 - Dec 2021

Staff KOMINFO

- Actively contributed as a Staff of the Media and Information Division (KOMINFO) at HIMATIF UPN VYK, supporting the department's daily

programs and initiatives.

- Executed routine communication and media tasks effectively, ensuring timely information delivery and strong team coordination.

Himpunan Mahasiswa Informatika - Yogyakarta

Jun 2022 - Dec 2023

Kepala Departemen MEDINFO

An organization that serves as a platform for Informatics students at UPN VYK to voice their aspirations and foster collaboration within the academic community.

- Led the Media and Information Department (MEDINFO) of HIMATIF UPN VYK, managing a team of 6 members to ensure smooth operations and clear internal communication across all organizational channels.
- Planned and executed strategic work programs for one full term, driving collaboration between departments and sparking new digital initiatives.
- Supervised the creation and publication of digital content, helping improve information reach and student engagement by roughly 30–40% through better coordination and consistent media output.

Information Technology Club (ITC) - UPN "Veteran" Yogyakarta, Indonesia

Jun 2022 - Jun 2023

Member of Web Developer

Information Technology Club (ITC) is a student community at UPN "Veteran" Yogyakarta focused on enhancing members' skills in software development, networking, and digital innovation through collaborative projects and workshops.

- Collaborated on team-based web projects using modern front-end frameworks.
- Contributed to UI/UX improvements and front-end optimization.

Skills, Achievements & Other Experience

- **Hard Skills** 🏆 (2024): Officially certified as a Junior Web Programmer by BNSP Indonesia, showcasing verified proficiency in web application development, HTML/CSS/JavaScript, frontend frameworks, and software engineering best practices.
- **URL Classification Project (Bachelor Thesis)**: Built a machine learning system to classify URLs as malicious or benign using XGBoost and Streamlit. Designed data preprocessing, feature extraction, and model training pipelines with interactive real-time classification via web app.
- **Projects Hackathon (2025)**: Built ChronoBond, a decentralized fixed-income marketplace on the Flow blockchain. Led front-end integration and smart-contract interaction using FCL, Cadence, and Flow Actions. Designed and developed responsive UI with Next.js, Tailwind CSS, and TypeScript, implementing features such as on-chain reinvestment tracking, wallet connection, and real-time transaction monitoring.
- **Personal Project : Maze Solver with Multiple Pathfinding Algorithms (2025)**: Created a Python-based visualization tool using Pygame to compare A*, Dijkstra, BFS, and Theta* algorithms. Implemented real-time maze solving, benchmarking, and GUI visualization for algorithm performance comparison.
- **Personal Project : Form Builder – Modern Form Creation Tool (2022)**: Developed a modern drag-and-drop form builder using Next.js 15, Material-UI, and TypeScript. Implemented real-time preview, dynamic property editing, JSON schema generation, and form response management. Focused on scalability, performance optimization, and clean TypeScript architecture following SOLID principles.
- **Webinars Attended** 🏆 (2023): Attended the Digital Literacy Webinar organized by KOMINFO, focusing on improving digital awareness and responsible online behavior.
- **Webinars Attended** 🏆 (2020): Attended the Smart Digital Citizen Webinar on Information Security and Personal Data Protection in the digital era, gaining insights into safe and ethical online practices.
- **Personal Project : Tokyo Experience – Fluid Glass & Iridescence Web (2025)**: Designed and developed an immersive 3D web experience using Next.js, Three.js, and Tailwind CSS featuring fluid glass morphism, iridescent shaders, and GSAP-powered animations. Optimized for high performance across devices.