



# JUAN VERREL TANUWIJAYA

085774389718 | juantanuwijaya@gmail.com | linkedin.com/in/juan-verrel-tanuwijaya-389293291/ | https://juan-verrel-tanuwijaya.vercel.app/

Jl. Bengkulu No 53, Gunung Sari, Bandar Lampung, Lampung, 35111

I am a Software Engineer with a Bachelor's degree in Informatics Engineering from Institut Teknologi Sumatera. I specialize in Full-Stack Web Development, focusing on designing, developing, and maintaining scalable web applications and robust API systems. My work involves ensuring seamless integration between front-end interfaces, back-end logic, and database layers to deliver efficient, high-performance solutions. I am proficient in modern web technologies and frameworks such as Next.js, React.js, and Express.js, as well as in managing relational databases using SQL and Prisma ORM for streamlined data interactions.

## Work Experiences

**Institut Teknologi Sumatera - Kabupaten Lampung Selatan, Indonesia**

Mar 2024 - Nov 2025

*Full Stack Website Developer, Freelance*

Sumatera Institute of Technology is a public university in South Lampung, Lampung, Indonesia. ITERA has three departments and 40 undergraduate programs, with 1 postgraduate program in physics.

- Developing website as full stack website developer for OBE (Outcome-based education) System of Institut Teknologi Sumatera Curriculum Evaluation and Monitoring

**PT Microdata Indonesia - Bandar Lampung, Indonesia**

Jul 2024 - Aug 2024

*Fullstack Website Developer, Internship*

Software House Companies located in Bandar Lampung which is engaged in the Software Development and Graphic Design

- Developed Helpdesk SIPD Web Application as Fullstack using Next.js
- Remaking Front-End of IPKD Website using React.js

## Education Level

**Institut Teknologi Sumatera - Kabupaten Lampung Selatan**

Aug 2021 - Aug 2025

*Bachelor of Informatics Engineering, 3.87/3.87*

- Developing an Outcome-Based Education (OBE) Monitoring and Evaluation System for ITERA as a final project.

**Binar Academy - Kota Jakarta Selatan**

Sep 2024 - Dec 2024

*Certificate in MSIB - Studi Independen : BACK END JAVASCRIPT - With AI Literacy & Global Certification*

- Fundamental JavaScript : Mengidentifikasi JavaScript Dasar
- Advanced Javascript: Mengidentifikasi JavaScript Lanjutan
- Databases and Data Management with PostgreSQL
- Mengembangkan API dengan Node.js, Express.js, dan Prisma
- Memahami Pentingnya Dokumentasi API, Pengujian, dan Mengamankan Aplikasi dengan Authentication
- Mampu mengelola Media di dalam aplikasi dan melakukan Deployment menggunakan Github Action
- Memahami proses debugging di production serta memanfaatkan Websocket dan mailer untuk mendukung pengembangan fitur pada web
- Melakukan kolaborasi tim pengembangan aplikasi dengan iterasi proses testing dan evaluasi melalui repository Github
- Score: 94/100

**Dicoding Indonesia  - Kota Tangerang Selatan**

Feb 2024 - Jun 2024

*Certificate in MSIB - Studi Independen : Pengembang React Dan Back-End*

- Belajar Membuat Front-End Web
- Belajar Membuat Aplikasi Back-End
- Belajar Membuat Aplikasi Web dengan React
- Belajar Fundamental Aplikasi Web dengan React
- Menjadi React Web Developer Expert
- Meniti Karier sebagai Software Developer
- Capstone Project : Web Application
- Score : 1145 / 1200

**SMA Immanuel - Bandar Lampung**

Jul 2018 - May 2021

*Senior High School*

## Organisational Experience

Ketua Program Kerja Pengembangan WebGIS

KKN Unit 1 - Desa Girimulyo

- Mendesain dan mengembangkan antarmuka pengguna (UI) Website dengan menggunakan framework Next.js dan Tailwind CSS.
- Berkolaborasi dengan tim pengembang ArcMap dalam mengkonfigurasi API ArcGIS Online agar peta yang telah dibuat dapat dipakai di dalam Website.

Skills and Project

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- **Hard Skills:** HTML, CSS, Python, JavaScript, Typescript, Node.js, React.js, Next.js, Express.js, Relational Database, ORM
- **Soft Skills:** Problem-solving, Teamwork, Adaptability, Creativity.
- **Posyandu Mawar I Wayhuwi Data Management Website** (2023): The Posyandu Mawar I Way Huwi Data Management Website is an advanced application designed to efficiently manage patient data for Posyandu Mawar I Way Huwi. (Fullstack Website Developer)
- **Dusun 10 Desa Giri Mulyo Village Website** 🟢 (2024): The Dusun 10 Desa Giri Mulyo Village Website is a comprehensive platform designed to showcase and inform about Dusun 10 in Desa Giri Mulyo. This website features detailed descriptions of the village, its location, and its rich cultural heritage. (Front-end Website Developer)
- **ThreadTree Forum App** 🟢 (2024): ThreadTree is an innovative forum application developed using React.js, with Redux.js for efficient state management. Designed for open discussions on any topic, ThreadTree features a robust voting system and a dynamic leaderboard to highlight popular contributions. (Front-end Website Developer)
- **Otak Atik: Aplikasi Belajar Untuk Semua** 🟢 (2024): Otak Atik is a website-based online learning platform that allows users to learn and teach a variety of materials without being limited to basic subjects. With broad material flexibility, Otak Atik enables users to explore and instruct in various disciplines according to their interests and needs, providing access to more comprehensive and varied learning compared to platforms that only offer school materials. (Fullstack Website Developer)
- **Helpdesk SIPD (Sistem Informasi Pembangunan Daerah)** (2024): Helpdesk SIPD (Sistem Informasi Pembangunan Daerah) is a comprehensive web-based helpdesk application designed to enhance the efficiency of problem reporting and resolution within regional government systems. (Fullstack Website Developer)
- **Air Hopper** (2024): This platform enables users to search, book, and manage flight tickets seamlessly, leveraging cutting-edge technologies to ensure an exceptional user experience. My responsibilities include developing and maintaining secure and efficient APIs using Express.js. (Back-End Developer)
- **ITERA OBE System** (2024): The OBE (Outcome-based Education) System is the primary management tool for Curriculum Evaluation and Monitoring for Institut Teknologi Sumatera. (Fullstack Website Developer)