

RENO SYAELENDRA

Software Engineer | AI Developer

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PROFESSIONAL SUMMARY

Informatics Engineering undergraduate at Universitas Trunojoyo Madura specializing in modern web development, Flutter-based mobile applications, and AI-driven system engineering. Experienced in delivering responsive end-to-end applications and integrating Large Language Models into products through context prefix design and lightweight JSON/JavaScript-based AI implementation. Awarded 3rd Place in the Hacker category at the 10th IndonesiaNEXT national competition and published as an author in a national IT scientific journal, reflecting both hands-on engineering capability and analytical depth. Comfortable owning the full development cycle, from requirements analysis and interface design through back-end implementation, testing, and documentation.

CORE COMPETENCIES

- **Web & PWA:** HTML5, CSS3, JavaScript (ES6+), React.js, Next.js, Progressive Web Apps, responsive design, glassmorphism, dark mode
- **Mobile Development:** Flutter, cross-platform application development
- **AI & LLM Engineering:** LLM API integration, context prefix and system prompt design, lightweight AI implementation (JSON/JavaScript), YOLOv11-based object detection (computer vision), AI-assisted workflow automation
- **Back-End & Databases:** PHP Native, Laravel, Express.js, Firebase, MySQL, PostgreSQL, MongoDB, Supabase, REST API, CRUD operations, MVC architecture
- **Python & Data:** data processing, dataset exploration, data visualization with Chart.js, spreadsheet analysis with Excel Pivot
- **Tools & Collaboration:** Git, GitHub, GitHub Pages, Figma, Google Search Console, AI-assisted development tooling (Antigravity, OpenCode, 9Router, Hermes, Openclaw)
- **Supporting Skills:** technical documentation, debugging, front-end performance optimization, client requirements communication

PROFESSIONAL EXPERIENCE

Self-Initiated Internship - Website Article Publication (Remote) | PT Surya Aqua, Surabaya

2026 - Present

- Wrote and published articles on the company website (suryaqua.com), including the piece "Manfaat Maksimal dari Pompa Air Tenaga Surya".
- Translated technical material on solar-powered water pumps into articles accessible to general readers while remaining relevant to prospective customers.
- Structured page layout, headings, and paragraphs for clean, consistent, and comfortable reading across desktop and mobile devices.
- Delivered the engagement fully remotely, managing schedule, initiative, and coordination with the company independently.

AI & Automation Developer | Personal Project

2025 - Present

- Built a context prefix assistant that steers LLM behavior consistently according to defined domain requirements.
- Implemented lightweight AI integration using JSON/JavaScript, enabling intelligent features to run without heavy infrastructure dependencies.
- Designed automation flows that eliminated repetitive manual steps in the development process.
- Documented prompt patterns and integration architecture to make the approach reusable across subsequent projects.

Freelance Web Developer (AI-Assisted Development) | Self-Employed

2025 - Present

- Delivered end-to-end websites based on client requests, from requirements gathering and interface design through implementation and handover.
- Leveraged AI-assisted workflows to accelerate delivery cycles while maintaining code quality and structural readability.

- Managed design revisions, debugging, and content adjustments based on continuous client feedback.

Web Developer | Client Project

2025

- Refined UI/UX to improve navigational clarity and overall usability across devices.
- Optimized page performance through improved HTML structure and more efficient CSS, resulting in lighter page load.

Web Developer Intern | Koota Production, Surabaya

Third Semester

- Developed and maintained the company's WordPress-based website for corporate profile, service information, and digital publication purposes (kootaproduction.com).
- Optimized Google Search Console performance through index monitoring, URL inspection, sitemap management, and improvements to page visibility in search results.
- Updated content, page structure, and layout in coordination with the team and business owner so service information became more accessible to prospective customers.

SCIENTIFIC PUBLICATION

Published Author | National Journal of Information Technology

2026 - Present

- Authored and published a scientific article in JPTIS Vol. 4 No. 2 (2026), titled "*Integrasi YOLOv11 dengan Large Language Model untuk Deteksi Makanan dan Estimasi Nilai Gizi pada Program Makan Bergizi Gratis*" (Integration of YOLOv11 with a Large Language Model for Food Detection and Nutritional Value Estimation).
- Structured the manuscript according to academic writing standards, covering literature review, problem formulation, methodology, discussion, and conclusions.
- Responded to peer review and editorial revisions until the manuscript was accepted for publication.

ACHIEVEMENTS & CERTIFICATIONS

- **3rd Place, Hacker Category - 10th IndonesiaNEXT** (national level)
- **Fully Funded Delegate - Learn & Lead 3.0, Singapore**
- **IT Specialist: HTML5 Application Development** - Certified
- **Code Generation & Optimization** - IBM Granite with Hacktiv8
- **Python Essentials 1** - Cisco Networking Academy
- **Backend Development** - MySkill | **Basic Artificial Intelligence** - Dicoding
- **BNSP Competency Certificate** - Content Creator/Media
- **1st Place, Mobile Legends Championship** - East Java Provincial Level (2023) | **1st Place, Piano Competition** - City Level (2019)

EDUCATION

Universitas Trunojoyo Madura | B.Sc. in Informatics Engineering

Active student, 5th Semester (Odd Semester 2026/2027)

Areas of focus: web development, AI engineering, information systems, databases, and application implementation for institutional needs.

SMA Advent Surabaya | Graduated

ORGANIZATIONAL & LEADERSHIP EXPERIENCE

- **Member, Google Developer Groups (GDG) Trunojoyo Madura** - 2025 to present
- **Vice President, Student Council (OSIS), SMA Advent Surabaya** - 2022 to 2023

LANGUAGES

- **Bahasa Indonesia:** Native
- **English:** Functional passive proficiency; able to read technical documentation, industry terminology, and programming literature