RICKY STEVEN SILABAN

Fullstack Software Engineer & Founder

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Company: Harrasih Software House

PROFESSIONAL SUMMARY

Fullstack Software Engineer and the Founder of Harrasih Software House, experienced in building digital solutions ranging from government applications, enterprise systems, ERP, inventory management, public services, mobile applications, to AI integrations. Focused on building scalable, maintainable, and secure software that delivers real impact to organizations.

EXPERIENCE

Freelance Fullstack Software Engineer

Independent • 2023 — Present

Designing, developing, and deploying robust software solutions for various clients. Acting as the lead engineer and architect for comprehensive digital transformation projects.

- Architected and delivered scalable platforms including Government Systems, Enterprise ERP, and Inventory Management Systems.
- Developed custom Mobile Apps, AI Integrations, REST APIs, Dashboards, and CMS solutions.
- Collaborated directly with stakeholders to gather requirements and translate business needs into technical solutions.

Software Engineer Intern

PT PLN (Persero) • Internship (PKL)

Contributed to internal software tools and systems within a major state-owned enterprise.

- Gained hands-on experience with enterprise-level infrastructure and operational workflows.
- Developed internal tools, maintained existing systems, and automated administrative processes.

SELECTED PROJECTS

- **Enterprise Inventory Management System:** A comprehensive solution for tracking assets, managing lifecycle, and automating inventory workflows for large-scale operations.
- **Digital Queue Management:** Real-time queueing system implemented for government public services and hospitals to improve visitor flow and administration.
- **Siponcan Digital Public Service:** Secure digital platform for public administration, improving citizen experience and administrative efficiency.
- **AI Project Integration:** Integrating Large Language Models and AI workflows into business systems for automated data processing and decision making.

SKILLS & EXPERTISE

Core Expertise: Enterprise Web Development, Government Information System, ERP Development, Inventory Management, AI Integration, REST API, System Architecture, Database Design, Mobile Apps, Cloud Deployment.

Technologies: Next.js, React, TypeScript, Laravel, PHP, CodeIgniter, NestJS, Python, Redis, PostgreSQL, MySQL, Docker, AWS, Cloudflare, Tailwind CSS.

EDUCATION

Universitas Indraprasta PGRI

Bachelor of Informatics Engineering (S1) • 2022 — 2026 • GPA: 3.31

SMKN 2 Siatas Barita

Electrical Power Installation Engineering • Graduated

CERTIFICATIONS & LANGUAGES

- 13+ Professional Certificates in Software Engineering, Cloud Infrastructure, AI Development, and Architecture.
- Languages: Indonesia (Native), English (Professional Working Proficiency - TOEFL Prediction 567).