

T. Ricky Husny, ST

EXECUTIVE AI ARCHITECT | FULL-STACK SYSTEMS ENGINEER

Jakarta, Indonesia (Remote Ready) info@richkeyrick.com [+62-852-6011-3313](tel:+62-852-6011-3313)

[richkeyrick.com](https://www.richkeyrick.com) (<https://www.richkeyrick.com>) linkedin.com/in/richkeyrick (<https://linkedin.com/in/richkeyrick>)

github.com/richkeyricks (<https://github.com/richkeyricks>)



EXECUTIVE SUMMARY

High-performance **AI Architect and Full-Stack Systems Engineer** with 25+ years of digital innovation expertise spanning software engineering, systems architecture, and AI/ML development. Founder of **Teknologi Viral (reaching 1.2M+ users)**. Expert in engineering complex **LLM Orchestration layers, Agentic Workflows, and Scalable Neural Architectures**. Successfully deployed **60+ modular applications** serving users in **190+ countries** with **99.9% uptime SLA**. Renowned for exceptional project delivery capabilities and deep focus on **ROI-driven AI implementation**. Cross-disciplinary background in Civil Engineering (S.T.) provides unique systems-thinking approach to complex architectural challenges. **Digital pioneer since 2000**: founded MusikTek community, released **Chrono Deluxe OS** (2009, hybrid Linux+Windows system), and 24-year audio technology journey from Fruity Loops/Cakewalk (2001) to neural AI audio systems.

KEY ACHIEVEMENTS

150K+ AI Indonesia Community Members	60+ AI Applications Deployed	1.2M+ Total Community Followers
190+ Countries Served Globally	46+ Technical Articles Published	6 International Certifications

INDUSTRY EXPERTISE

Artificial Intelligence & Machine Learning

Healthcare & Medical Technology

Fintech & Financial Services

E-commerce & Digital Retail

Travel & Hospitality Tech

Beauty & Aesthetic Technology

Education Technology

Manufacturing & Industry 4.0

Agriculture Technology

Media & Content Creation

■ TECHNICAL CORE

AI & Intelligent Systems

LLM Orchestration (LangChain, LlamaIndex), RAG Pipelines, Multi-Agent Workflows, Prompt Engineering, Semantic Search.

Enterprise Engineering

Modular SPA Architecture, Node.js, Python, Supabase, PostgreSQL, Vector Databases (Pinecone/Weaviate).

Modern Frameworks

React, Next.js, TensorFlow, PyTorch, HuggingFace Transformers, Advanced JavaScript Memory Management.

Growth & Analytics

Data-driven Community Scaling (1.2M+), GTM/GA4 Server-Side Tracking, Cloud Ops (AWS Bedrock, Docker, Kubernetes).

Audio Engineering & DSP (24 Years)

Journey from Fruity Loops/Cakewalk (2001) to Neural Audio AI (2024). AI Audio Mastering, Digital Signal Processing, Psychoacoustic Enhancement, LUFS Targeting, Neural Audio Restoration, Spatial Audio, Real-time Processing.

Visual Design & 3D

Three.js & WebGL, Cinematic UI/UX, Framer Motion & GSAP, TailwindCSS Mastery, Glassmorphism/Neumorphism, Shader Programming (GLSL), Design Systems.

Cloud & DevOps

Kubernetes & Container Orchestration, CI/CD Automation, Cloud Architecture (AWS/GCP/Azure), Serverless Functions, MLOps Pipelines, Model Serving (TensorRT, ONNX), Observability.

■ LEADERSHIP & SOFT SKILLS

Leadership & Team Management

Founder of Teknologi Viral (1.2M+ community), Chief Technology Consultant role, Cross-functional team orchestration, Mentorship & technical guidance.

Strategic Planning

ROI-driven AI implementation, Global expansion strategy (190+ countries), Technology roadmap planning, Long-term vision execution.

Client Communication

Stakeholder management, Technical translation to business terms, Consultation expertise (40+ freelance clients), Cross-cultural communication.

Problem-Solving

Complex architectural challenges, Exceptional project delivery, Systems-thinking approach (Civil Engineering background), Adaptive problem resolution.

■ **SELECTED EXPERIENCE**

TeknologiViral.com (AI Ecosystem)

Jakarta, ID

Founder & Lead AI Engineer

2018 — Present

- **Architected** a high-traffic AI ecosystem (React, Node.js, Python) with a community reach of **1.2 Million+ followers** via custom content automation.
- **Engineered 60+ neural-based applications** (FastAPI, PyTorch, Supabase), including **Haineo OS** (Autonomous Agent Engine) and **Neural Studio** (Image AI suite).
- **System Scaling:** Managed global deployment across **190 countries**, optimizing token-level costs by 30% and maintaining 99.9% uptime.

PT. Naba Aesthetic Beauty Clinic

Indonesia

Chief Technology Consultant

2023 — 2024

- **Orchestrated** a comprehensive digital transformation using **LLM-powered agents** to integrate CRM and automated medical marketing workflows.
- **Efficiency Gain:** Automated client acquisition systems, resulting in a **25% increase** in operational conversion and data transparency.

PT. Puspa Travel

Indonesia

Lead Systems Architect (Digital)

2009 — 2014

- **Pioneered** the enterprise-grade automated booking engine (PHP/JavaScript), reducing manual transaction cycles by **40%**.
- **Engineered** high-performance XML-based reservation systems that doubled digital booking revenue within 24 months.

Freelance & Independent Development

Global Remote

Senior Software Architect & AI Consultant

2014 — 2018

- **Delivered** 40+ custom software solutions for international clients across fintech, healthcare, and e-commerce sectors.
- **Specialized** in API architecture, database optimization, and early-stage machine learning integration for enterprise clients.
- **Bridged** traditional software engineering with emerging AI technologies, establishing foundation for current AI-focused practice.

■ **FEATURED INNOVATIONS**

HAINEO OS (<https://www.haineo.com>)
(Agentic Hub)

Web-based OS orchestrating multi-model AI agents for autonomous enterprise workflows. **haineo.com**

PerfectSEO.pro (<https://perfectseo.pro>)

Proprietary RAG-based content engine achieving 95%+ SEO scores via neural semantic analysis.
perfectseo.pro

Neural Audio Studio (<https://www.haineo.com/audio>)

AI-powered DSP for cloud-based mastering and multi-track spatial audio reconstruction.
haineo.com/audio

■ PUBLICATIONS & THOUGHT LEADERSHIP

Author of **46+ technical articles** covering AI implementation, industry applications, and career development. Content published across Dev.to, Medium, and personal platforms with 8-16 minute read times.

AI Strategy & Implementation

AI Strategy for Future Companies, AI for Business Productivity, Automation ROI Optimization, AI for E-commerce Integration, Startup AI Success Guide.

Technical Deep Dives

Neural Networks Implementation, Computer Vision Guide, NLP Complete Guide, Generative AI (ChatGPT/DALL-E), Reinforcement Learning, OpenAI API Development.

Industry Applications

AI in Healthcare, Fintech AI Transformation, AI for Education, Manufacturing Industry 4.0, Smart Agriculture AI Solutions.

Career & Learning

AI Engineer Roadmap, Skills Checklist Complete, AI Certification Guide, Machine Learning Fundamentals, Deep Learning vs ML Comparison.

Platforms: Dev.to (dev.to/richkeyrick), Medium ([@richkeyrick](https://medium.com/@richkeyrick)), YouTube ([@richkeyrick](https://www.youtube.com/@richkeyrick)), TikTok ([@richkeyrick](https://www.tiktok.com/@richkeyrick))

■ CAREER TIMELINE & MILESTONES

2024

NVIDIA Generative AI LLM Certified — Latest credential in emerging AI technologies

2023

Reached 150K+ AI Community Members — Established as thought leader in AI Indonesia

2022-2023

AWS ML Specialty + Google Cloud ML Engineer Certified — Multi-cloud AI expertise validated

2018-Present

Founded Teknologi Viral Ecosystem — 60+ apps, 1.2M+ followers, 190+ countries

2009-2014

Lead Systems Architect at PT. Puspa Travel — Pioneered automated booking engine

2011

S.T. Civil Engineering — Foundation in systems thinking and structural analysis

2009

Chrono Deluxe OS Released — Hybrid Linux+Windows operating system, self-taught kernel engineering and cross-platform bootloader development

2000-2010

MusikTek Community & Digital Audio Pioneer — Founded technology music community (2000), professional DAW user since 2001: Fruity Loops, Cakewalk, Sonar, Studio One, Project 5

■ GLOBAL CREDENTIALS & VERIFICATIONS

NVIDIA Certified Associate - Generative AI LLM 2024

Google Cloud Professional Machine Learning Engineer 2023

Microsoft Azure AI Engineer Associate 2023

IBM AI Engineering Professional 2023

AWS Machine Learning - Specialty 2022

Google TensorFlow Developer Certificate 2022

** Verification available via official certification portals upon request*

■ ACADEMIC CREDENTIALS

Universitas Malikussaleh
Bachelor of Engineering (S.T.) – Civil Engineering

Aceh, ID
2011

■ LANGUAGES

Indonesian

Native proficiency (primary language)

English

Professional working proficiency (business & technical)

■ TOOLS & DEVELOPMENT ENVIRONMENT

IDE & Editors

VS Code, Cursor AI, JetBrains Suite, Vim

Version Control

Git, GitHub, GitLab, Bitbucket

Design & Prototyping

Figma, Adobe Creative Suite, Sketch

Project Management

Jira, Trello, Notion, Linear

■ ADDITIONAL INFORMATION

- **Availability:** Open to remote opportunities, consulting projects, and advisory roles
- **Time Zone:** WIB (GMT+7) with flexible scheduling for global collaboration
- **Work Authorization:** Indonesian citizen; open to international remote contracts
- **References:** Available upon request