

KUKUH ADAFI SEPTYA RIZKI

TECH LEAD · CO-FOUNDER · BACKEND & PLATFORM ARCHITECTURE · AI-NATIVE ENGINEERING

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4	21	4	6+
ENGINEERS LED	GO MICROSERVICES	MARKETPLACES	YEARS IN TECH

PROFESSIONAL SUMMARY

Tech Lead building scalable backend and business platforms across marketplace integrations, finance automation, and marketing analytics. Leads four engineers across a 21-service Go microservices platform, owning systems that process high-volume marketplace events, automate financial operations, and turn marketing data into actionable business metrics.

Co-Founder of Clicker, a multi-tenant SaaS platform where I focus on platform architecture and the technical foundation for an AI-ready system. Designing the platform so AI capabilities can operate as a core layer across business operations rather than isolated features.

6+ years across infrastructure, backend engineering, distributed systems, and AI-native development, with experience in LLM/RAG, AI workflow automation, agentic engineering, and production-oriented platform development.

CORE COMPETENCIES

BACKEND & PLATFORM Go · Microservices · Distributed Systems · Event-Driven Systems · REST APIs · Webhooks · API Integration · Data Pipelines · RBAC · MongoDB	AI & MACHINE LEARNING LLM Integration · RAG · AI Workflow Automation · AI Agents / MCP · NLP · Computer Vision / YOLOv8 · XGBoost · Prompt Engineering
FULL-STACK & DEVOPS Next.js · React · TypeScript · JavaScript · Python · Flask · Firebase · Docker · Git · GitHub Actions · Agile	INFRASTRUCTURE & LEADERSHIP Linux / Ubuntu · GCP · VM Provisioning · Mikrotik · Network Security · Technical Leadership · Code Review · Mentoring

PROFESSIONAL EXPERIENCE

Tech Lead — Integrations, Finance Automation & Marketing Analytics

PT Bharata Internasional Pharmaceutical · Nov 2025 – Present · Promoted to Tech Lead Jun 2026 · Leading 4 engineers / 21 Go microservices

- Integrated TikTok Shop, Shopee, Lazada, and Meta Commerce from scratch, each with distinct settlement models, with realtime webhook pipelines ingesting hundreds of thousands of order events and stalled-order detection.
- Built a two-tier profitability engine at store and individual level: gross profit from actual settled cash less COGS and ad spend, then net profit after operating-expense allocation.
- Automated KPI scoring and incentive payouts by connecting payroll, accounting, operating costs, and advertising spend across four marketplaces, with an extensible metric-source registry and eligibility gating.
- Automated sales bookkeeping into the accounting system — invoices, receipts, returns, and settlement reconciliation — plus petty cash and cost-control modules with budget ceilings and journal posting.
- Built marketing analytics from scratch for ad-spend-to-product attribution, campaign ROAS, and multi-channel GMV; established a team-wide agentic engineering workflow with shared skills, review gates, and deployment procedures.

Tech: Go, MongoDB, Microservices, Next.js, TypeScript, Docker, REST APIs, Webhooks, Marketplace APIs, Accounting API, Claude Code / Agent Skills (MCP)

Co-Founder — Clicker Platform

Independent Venture · Jan 2026 – Present

- Building the architectural foundation of Clicker, a multi-tenant SaaS platform designed to be AI-ready from the ground up.
- Architected a modular, pluggable platform foundation enabling different business verticals to operate on shared infrastructure without separate applications.
- Designed core foundations including strict tenant data isolation, RBAC, centralized authentication, and scalable service integration.
- Established the architecture for AI-native capabilities to operate as a platform layer, with foundations for centralized LLM integration and reusable AI workflows across business operations.
- Built the initial AI Sales Agent as a platform capability for automated lead capture and customer interactions.
- Established CI/CD with GitHub Actions, including linting, type checking, Semgrep security scanning, and staging deployment.

Tech: Next.js, TypeScript, Firebase, Upstash Redis, OpenRouter (LLM), Claude Code / Agent Skills (MCP), GitHub Actions, Semgrep

PROFESSIONAL EXPERIENCE

AI & Automation Developer — Freelance

Independent Contractor · Mar 2024 – Present

- IdeaMills — AI Video Pre-Production SaaS: Next.js platform using multimodal LLMs to automate marketing scriptwriting and storyboarding; reduced creative pre-production time by 70%+ via an asynchronous background-worker queue.
- Automatic Fish Counting System (AIoT): Real-time object detection for aquaculture monitoring on edge hardware, eliminating manual counting errors; registered copyright with the Indonesian Ministry of Law (No. 000847585).
- Multi-Tenant RAG System: Secure document Q&A; engine with strict per-user data isolation across multiple clients.
- Additional work includes CTR prediction using XGBoost, multi-LLM workflow orchestration, and generative-video pipelines.

Tech: Next.js, TypeScript, Multimodal LLMs, NoSQL, YOLOv8, Python, ESP32-CAM, OpenCV, Flask, OpenAI GPT API, LangChain, Vector DB

Senior IT System Support

EGoGo Hub Group · Nov 2021 – Mar 2025 · Jakarta, Indonesia

- Ran end-to-end IT infrastructure across headquarters, warehouses, and live-streaming studios.
- Configured MikroTik RouterOS for firewall, VLAN, NAT, and bandwidth management; provisioned VMs and managed DNS and virtual networking on Google Cloud Platform.
- Deployed and maintained Ubuntu/Linux servers, partnering with development teams on application deployment.

IT Support Technician

Perumda Tirta Satria · Jul 2019 – Sep 2019 · Purwokerto, Central Java, Indonesia

- Maintained organizational IT assets and ensured data integrity across data-entry operations.

EDUCATION

Bachelor's Degree in Information Technology — Universitas Nusa Mandiri · Mar 2024 – Apr 2025

Thesis: Implementation of an Automatic Fish Counting System Using YOLOv8 and ESP32 Camera: A Technological Innovation for Optimizing Aquaculture

Associate's Degree in Information Technology — Universitas Bina Sarana Informatika · Sep 2017 – Sep 2020

CERTIFICATIONS

Cisco: CCNA Security · MikroTik: MTCNA

Anthropic: AI Fluency (Framework & Foundations; Capabilities & Limitations) · Introduction to Agent Skills · Introduction to Claude Cowork

LANGUAGES

Bahasa Indonesia — Native · English — Professional Working Proficiency

FOCUS AREAS

PLATFORM Platform & backend architecture · Distributed systems · Multi-tenancy · Event-driven systems	AI LLM · RAG · AI agents · MCP · AI workflow automation · AI-ready platform foundations
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