

# RISDYANTO

Senior Remote Fullstack Engineer | 15 Years Distributed Teams Experience

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## PROFESSIONAL SUMMARY

Senior fullstack engineer with 22 years of software development experience and 15 years of proven remote work across international and distributed teams. Specialized in building production-ready SaaS platforms, multi-tenant business systems, AI-powered applications, and integrated mobile solutions. Successfully delivered 50+ systems independently with minimal supervision, demonstrating strong async communication and self-directed delivery capabilities.

Core Strengths: Remote collaboration • Independent delivery • Full-stack development • AI/ML integration • Multi-tenant architecture • Mobile development (Flutter) • Production system deployment

## TECHNICAL EXPERTISE

Frontend	React, TypeScript, Next.js (expert), JavaScript, jQuery, Tailwind CSS, Bootstrap
Backend	Node.js (Fastify), Python (FastAPI), PHP (Yii2, Laravel, CodeIgniter, Phalcon)
Mobile	Flutter 3.x (Dart), Provider state management, QR code scanning, Camera, Geolocation, Android/iOS builds
BaaS/Cloud	Supabase (PostgreSQL, Auth, RLS, Real-time, Storage) — expert; AWS S3/CloudFront; Vercel; Railway; Render; Neon
AI/ML	RAG Systems, LangChain, Google Gemini, Vector DB (Qdrant), scikit-learn, HuggingFace, Jina AI, Cohere, Voyage AI
Database	MySQL, PostgreSQL, SQL Server, Oracle
DevOps	Docker, Linux (Ubuntu/RedHat), Git, GitHub Actions CI/CD
APIs	REST API design, Amadeus, Sabre, Shopify, payment gateways, document processing

## PROFESSIONAL EXPERIENCE

**Guarda — Security Patrol Management Platform** | **Personal Project (Freelance)** | 2025 - Present

End-to-end security patrol management platform built independently for a personal client request. Live demo: [guarda-mu.vercel.com](https://guarda-mu.vercel.com)

- **Patroli Admin — Next.js 16 Web Application: Production-ready multi-tenant admin dashboard**
  - Multi-tenant architecture with Row Level Security (RLS) per company in Supabase PostgreSQL
  - Full CRUD for personnel, areas, checkpoints (GPS + QR code), attendance, incident & emergency reports
  - Real-time payroll calculation, broadcast messaging system, analytics dashboard with Recharts
  - Role-based access control (Admin / Supervisor / Personil); export to Excel & PDF
  - Tech: Next.js 16, React 19, TypeScript, Tailwind CSS 4, shadcn/ui, Supabase, TanStack Query, Zustand
- **Guarda Mobile — Flutter Application :**
  - Clock in/out with selfie verification and GPS geolocation capture
  - QR code patrol scanning for checkpoints; photo documentation with timestamps
  - Admin dashboard with personnel monitoring, broadcast messaging, and reports

- Supabase integration: Auth, real-time subscriptions, Storage for photos
- Tech: Flutter 3.x, Dart, Provider, Supabase Flutter SDK, Google Maps, QR Scanner, image\_picker

## **PT Andromeda Global** | **Fullstack Developer** | *October 2017 - Present (7+ years)*

Built and maintained 6 production business systems serving Indonesian SMEs with multi-tenant architecture, compliance workflows, and automated business operations.

- DropInvoice.com: Invoice management SaaS — subdomain-based tenant isolation, automated PDF generation, 1,000+ monthly invoices across 50+ accounts. Tech: PHP/Yii2, MySQL, REST API
- KartuStok.com: Real-time inventory tracking with RBAC, automated alerts, mobile-responsive (Cordova/CapacitorJS). Reduced stockout incidents by 60%. Tech: PHP/Yii2, React, TypeScript
- Drovat.com: Tax/VAT document extraction with intelligent PDF processing. Tech: PHP/Yii2, JavaSE
- Approval Workflow System: Drag-and-drop form builder with dynamic validation and multi-step approval. Reduced approval cycle from 7 to 2 days. Tech: PHP/Yii2, React, TypeScript
- Invoice Distribution System: eMeterai Peruri API integration, processes 10,000+ documents monthly. Tech: PHP/Yii2, React, JasperReport

## **AI/ML PRODUCTION PROJECTS**

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### **RAG Stack** | **Production-Ready RAG AI System** | [github.com/rizts/rag-stack](https://github.com/rizts/rag-stack)

Production-ready Retrieval-Augmented Generation system with complete CI/CD pipeline. Refactored from proof of concept into modular, production-grade architecture.

- FastAPI backend + React TypeScript frontend with intelligent LangChain document chunking
- Multiple embedding providers: Jina AI, Cohere, Voyage AI, HuggingFace
- Qdrant Cloud vector database; automated GitHub Actions CI/CD with path-based deployment
- Tech: FastAPI, Python 3.11, React 18, TypeScript, Vite, LangChain, Google Gemini, Docker

### **BuzzSpy** | **Full-Stack Real-Time Social Media Analysis** | [github.com/rizts/buzzspy](https://github.com/rizts/buzzspy)

Production-ready microservices platform for real-time Twitter/X buzzer detection and trending topic analysis.

- SSE streaming at 10+ events/second; weighted ML detection (75-80% accuracy) analyzing 8+ behavioral patterns
- Tech: Node.js/Fastify, Python/FastAPI, scikit-learn, React 18, TypeScript, Upstash Redis, Vercel

## **PREVIOUS EXPERIENCE**

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### **Freelance Developer — Various International Clients** | **Remote** | *2013 - 2017*

Delivered 15+ custom web applications for Indonesian and international clients across e-commerce, travel, fintech, and business management.

- Shopify Plugins (2016): 3 production apps incl. Pay.nl payment integration (500+ merchants). Tech: PHP/CodeIgniter
- GetAristo.com (2016): Travel booking with Amadeus/Sabre API, multi-currency. Tech: PHP/Phalcon
- Kirim.Email (2017): Email marketing platform, improved deliverability systems. Tech: PHP/Phalcon
- Mini ERP - Rama Tour (2013): Integrated reservations, lite accounting, auto-invoicing. Tech: PHP/CodeIgniter

### **Software Developer — Various Companies** | **PT Duta Astakona, CV Waditra, PT Insan Indonesia, PT Dirgantara Indonesia, PT ESI** | *2003 - 2013*

Enterprise software development across disaster management systems, document management, public service systems, banking monitoring, and GPS vehicle tracking. Technologies: Java/JavaEE, C#/ASP.NET, PHP, Oracle, SQL Server, MySQL.

## **KEY ACHIEVEMENTS**

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- 15 years proven remote work — delivered 50+ production systems independently across time zones
- Multi-tenant SaaS expertise — 7+ years building scalable platforms with subdomain isolation, RBAC, and tenant-specific customization
- Full-stack mobile expertise — Next.js + Flutter + Supabase end-to-end production delivery (Guarda project)
- Production AI systems — RAG applications with LangChain, Gemini, Qdrant and full CI/CD

- Full project lifecycle ownership — from requirements and architecture through deployment and maintenance
- Business domain expertise — deep understanding of Indonesian business systems (invoice/tax compliance, multi-tenant platforms)

## EDUCATION

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Politeknik Negeri Bandung — Computer Engineering (3-year Diploma)

Thesis: Signature Recognition using Artificial Neural Networks (ANN-Back Propagation)

## LANGUAGES & AVAILABILITY

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 Indonesian: Native  English: Written (Fluent) • Spoken (Intermediate, actively improving)

Open to: Remote full-time or contract roles • Time zones: Flexible with SEA/APAC/AU/EU • Work style: Async-first, self-directed, minimal supervision

Ideal roles: Senior Fullstack Engineer • Remote Software Engineer • AI/ML Engineer • Technical Lead