

Agik Setiawan

Fullstack Developer · Backend Engineer · AI Agent & RAG Developer

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SUMMARY

Senior engineer with 9+ years building production systems at scale. I work across the full stack but live mostly in the backend — Golang microservices, event-driven architectures, and distributed systems. Over the past two years I've shifted heavily into AI engineering: building agentic workflows, RAG pipelines, and LLM integrations that actually work in production, not just demos. I use AI coding tools daily and treat them as a core part of how I build software.

SKILLS

AI Engineering: Agentic AI workflows, RAG pipelines, LLM integration (GPT-4, Claude, Gemini, Llama), Prompt Engineering, Vector Search (Qdrant), Embedding Models, LangChain

AI Dev Tools: OpenCode (primary), Claude Code, Cline, Cursor — daily use for scaffolding, refactoring, and agentic coding tasks

Backend: Golang (Gin, Fiber, Echo), Python, Node.js, NestJS — REST, gRPC, GraphQL, WebSocket — NATS, Kafka, RabbitMQ

Frontend: React.js, Next.js 15 (App Router), Vue.js, TypeScript, TailwindCSS, Shadcn/ui, WebRTC, Socket.io

Databases: PostgreSQL, MongoDB, MySQL, Redis, Qdrant (Vector DB)

Infrastructure: Kubernetes, Docker, ArgoCD (GitOps), Jenkins, GitHub Actions, AWS, GCP, Prometheus, Grafana, ELK Stack

EXPERIENCE

AI Agent Engineer & Software Engineer

MastalD · Jan 2025 – Present · Jakarta

- Built an enterprise AI automation platform from scratch — handling thousands of AI requests daily with low latency and high reliability
- **Agent platform:** designed a multi-agent system combining GPT-4, Claude, and custom tools over Golang microservices; non-technical users can build full AI automations without writing code
- **RAG pipeline:** Qdrant-backed vector search with custom embedding logic — retrieval accuracy is consistently high in production
- **Shipped production AI features:** PPTX auto-generator, WhatsApp AI bot, Google Sheets AI bridge, voice/video generation pipelines, conversational form builder with notably higher completion rates
- Managed infrastructure scaling on Kubernetes and set up ArgoCD GitOps — deployments went from slow and manual to fast and automated
- Introduced gRPC between services to cut inter-service latency significantly compared to the previous REST setup

Stack: Golang (Fiber, gRPC), Python, Next.js, PostgreSQL, MongoDB, Redis, Qdrant, NATS, Kubernetes, ArgoCD, LangChain, OpenAI API, Claude API

Fullstack Developer & Tech Lead

Extramarks / Kelas Pintar · Aug 2022 – Aug 2025 · Jakarta

- Led a team of 8 engineers building and maintaining a national education platform — 100K+ students and 100+ teachers across Indonesia
- Architected the live class infrastructure (WebRTC + Zoom API) that handles thousands of concurrent sessions reliably
- Drove the monolith-to-microservices migration that made the system significantly faster to deploy and cheaper to run
- Mentored junior developers and established code review practices that improved overall code quality across the team
- Worked on database and query optimisation, caching strategy, and Kafka streaming for the analytics pipeline

Stack: Golang (Gin, gRPC), React.js, NestJS, PostgreSQL, MongoDB, Redis, Kafka, Kubernetes, Docker, Jenkins, WebRTC

Fullstack Engineer & Founder

Mistercoding · 2022 – Present · Remote

- Founded an EdTech platform and built the entire stack solo — now serving 1,000+ students
- Built a live class system (WebRTC), an in-browser IDE supporting multiple languages, and automated bootcamp management tools
- Event-driven microservices with NATS; multi-gateway payment integration; CI/CD pipeline running many deploys per day

Stack: Golang, NestJS, Next.js, PostgreSQL, MongoDB, Redis, NATS, Docker, Kubernetes, Jenkins, WebRTC

Fullstack Developer

Biznet Networks · Aug 2018 – Aug 2022 · Jakarta

- Built internal tools used daily by 5,000+ employees — intranet portal, ticketing system, employee management dashboard with real-time analytics
- Developed 50+ REST API endpoints with Laravel; Vue.js SPA frontend; worked with DevOps on deployment automation

Stack: Laravel, Vue.js, MySQL, Redis, Docker

Fullstack Developer

PT Petrolab Services · Apr 2016 – Jul 2018 · Jakarta

- Built a complete HRIS managing 200+ employees — automated attendance and payroll, saving the team significant manual work each month
- Real-time KPI reporting dashboard and document management system

Stack: Yii2, Vue.js, PostgreSQL, jQuery, Bootstrap

SELECTED PROJECTS

AI Workflow Automation Platform 2025 · Golang, React Flow, PostgreSQL, Redis

- N8N-like system connecting 20+ AI models and tools via drag-and-drop; processed over 100K workflow executions

SaaS RAG Builder 2025 · Golang, Python, Qdrant, Next.js

- Self-service platform for building custom AI chatbots with automatic vector embedding — used by hundreds of customers

Kubernetes Production Cluster on VPS 2024 · Kubernetes, ArgoCD, Helm

- 10-node auto-scaling cluster on VPS with full GitOps setup; significant monthly infra cost reduction

Real-Time Coding Platform 2023 · Golang, Next.js, Docker, WebSocket

- In-browser IDE for bootcamp students — supports multiple languages with live code execution

EDUCATION

Bachelor of Computer Science · STIKOM Jakarta · 2012 – 2016

LANGUAGES

Bahasa Indonesia (Native) · **English** (Professional)