

EVAN NARAYA HOKKY PRADYGTA

Backend Engineer (AI & Automation Infrastructure)

evannarayahp@gmail.com | [linkedin.com/in/evannaraya](https://www.linkedin.com/in/evannaraya) | github.com/naraya07pedro-spec | evannaraya.netlify.app

Magelang, Indonesia (UTC+7) | Remote, flexible hours

PROFILE

Backend engineer building Python/FastAPI and TypeScript systems on PostgreSQL, focused on one problem: external actions that must not repeat, disappear, or run without authorization. Work covers persisted approvals, lease-fenced workers, HMAC-verified webhook intake and reconciliation after crashes. Delivered automation for clients in Malaysia and Indonesia, plus four public projects with CI-verified tests. Remote, flexible hours.

CORE STACK

Reliability design	Idempotent admission, raw-body HMAC webhook intake, atomic event reservation, lease-fenced worker recovery, bounded retries, read-only reconciliation, persisted approval gates
Backend & data	Python, FastAPI, Pydantic, SQLAlchemy, Alembic, PostgreSQL, Supabase, pgvector, TypeScript, Fastify, Prisma
AI & automation	n8n (VPS-hosted), cited retrieval (RAG), MCP, Claude and Gemini APIs, deterministic fallback for LLM output
Testing & delivery	pytest, Vitest, Playwright, concurrency and process-death tests, Docker, GitHub Actions, Linux/VPS

EXPERIENCE

Independent AI Automation & Backend Engineer (VAREVANT)	Remote, Indonesia Jul 2026 to Present
- Built n8n workflow control logic on PostgreSQL/Supabase with state re-checks, execution ownership and reconciliation of uncertain sends. Covered by a 42-test offline suite. - Checked AI-generated message copy against a deterministic fallback before sending. Diagnosed three n8n failures and added a regression test for each.	
EZUmrah (Malaysia), Freelance AI Automation Engineer	2026
Built an AI-integrated operations command center connecting 21+ workflows into one automated system, replacing manual processes. Estimated 10 hours per day of manual work saved.	
PT Geget Gigit (Indonesia), Freelance AI Automation Engineer	2026
Built n8n LinkedIn and email outreach automation connected to the client's website and social channels, replacing manual posting and follow-up. Numeric results not yet measured.	

SELECTED PROJECTS (PUBLIC REPOSITORIES, CI-VERIFIED)

Bounded Agent Runtime	Python/FastAPI, PostgreSQL	261 tests 90.01% coverage
Persists approval and dispatch intent before any external tool call. After a worker dies, uses lease fencing and bounded read-only reconciliation instead of blind retries. Process-death and concurrency tests (archived v2).		
Full-Stack AI Operations Console	Next.js, Fastify, PostgreSQL, Prisma	58 native tests 10 browser 10 Docker smoke
Role-based operator console with versioned workflows, human approval before outbound actions, idempotent admission, leased workers and manual recovery. Runs against a deterministic HTTP sandbox (CI run 13 Oct 2026).		
Production Integration Reference	TypeScript, PostgreSQL	12-way concurrency test in CI
Verifies webhook HMAC signatures on raw bytes, reserves each event atomically before side effects and classifies retryable failures.		
Knowledge Workflow Runtime	FastAPI, pgvector, MCP, OCR	134 tests 91.64% 12/12 evals
Source-versioned document retrieval with citations and deletion handling. Verified 7 Oct 2026, including 12 of 12 synthetic retrieval evaluations.		

EDUCATION

High School Diploma, MASPA (Pesantren), 2023. Self-directed study in backend systems, API design and testing.

Project figures are revision-specific results from public repositories, not customer performance claims. Client work is private and its source is not public.