

Ariel Magalso

AI Engineer

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6+ years software engineering experience

Claude API, OpenAI API, Python, FastAPI, Next.js, AWS, Docker

SUMMARY

AI engineer who ships production agentic systems - lead qualification, invoice controls, document-grounded Q&A - in Python and FastAPI on the Claude and OpenAI APIs, with RAG retrieval, structured outputs, groundedness scoring, and prompt-injection defenses. Every system ships with a public evaluation suite and a human-in-the-loop on consequential decisions; six years of prior software engineering covers the range from data model to interface.

SKILLS

AI Systems: Claude API, OpenAI API, Retrieval-Augmented Generation (RAG), pgvector, Structured outputs, Evaluation suites, Prompt-injection defenses, Human-in-the-loop workflows, Vector search, n8n, Zapier

Application Engineering: Python, FastAPI, TypeScript, JavaScript, Next.js, React, PostgreSQL, SQL, Supabase, Redis

Cloud & Delivery: Docker, AWS, Terraform, Vercel, GitHub Actions, Cloudflare

Business Integrations: HubSpot API, QuickBooks API, Slack API, Webhooks, AWS SQS, REST APIs, Authentication

Tools: Git, GitHub, Cursor, Claude Code, Codex

Practices: Evaluation-driven development, Failure-case analysis, Cost and latency optimization, Technical documentation

WORK EXPERIENCE

AI Engineer

2025 - Present

Self-employed - Negros Oriental, Philippines (Remote)

- Ship production agentic AI systems end-to-end in Python and FastAPI - Verdict (lead qualification), LedgerGuard (invoice controls), and Provenance (RAG claim verification) - each deployed live with a Next.js interface and a public evaluation suite.
- Design decision pipelines around explicit evidence gates: systems refuse to act on unsupported claims, return "not found" instead of a plausible guess, and hold anything suspicious for human approval rather than auto-approving.
- Publish evaluation suites against labelled test sets - pass rates, per-decision cost, and documented failure cases - so accuracy and unit economics are verifiable rather than asserted.

- Engineer shared reliability layers: groundedness scoring that discards unsupported model output, structured-output schemas, prompt-injection screening, and per-user rate limiting ahead of model calls.
- Integrate agent output with systems of record - CRM writes, document extraction, and webhook-driven handoffs over REST APIs - so decisions land where the business already works.
- Own the full lifecycle: scoping, development, containerized deployment, DNS and subdomain configuration, evaluation, monitoring, and documentation.

AI Automation Specialist / Web Developer

2024 - 2025

Self-employed - Negros Oriental, Philippines (Remote)

- Built a retrieval-augmented support chatbot over a 90+ passage knowledge base that answers only from verified sources with inline citations and escalates to a human when confidence is insufficient; handled 90+ real visitor conversations on a live site.
- Designed an n8n speed-to-lead automation that scores inbound enquiries 0-100, validates calendar availability in code rather than through the model, and triages leads hot/warm/junk - cutting response time from hours to under one minute.
- Built a Notion-to-web publishing pipeline that generates SEO metadata via the Claude API and writes status back to the source record - reducing publishing effort from 15-30 minutes to roughly 2 minutes per post.
- Integrated business platforms over REST APIs and webhooks, and documented each automation so non-technical owners could operate and monitor it.

Web Developer

2020 - 2024

Self-employed - Negros Oriental, Philippines (Remote)

- Built and shipped production web applications and client sites end-to-end, working across data models, back-end logic, and responsive front-end interfaces.
- Integrated third-party APIs, webhooks, and services to extend platform functionality, debugging live production systems to root cause.
- Authored technical and user-facing documentation for the systems delivered, reducing support requests and improving client self-sufficiency.

PROJECTS

Verdict - Agentic Lead Qualification (Python, FastAPI, Claude API, PostgreSQL, CRM writes): agentic pipeline that qualifies every inbound lead against an evidence gate and writes results to the CRM, with a public evaluation suite covering pass rates, cost, and failure cases. Live: verdict.arielmagalso.com

LedgerGuard - Invoice AI & Financial Controls (Python, FastAPI, Claude API, Document AI): checks invoices before payment and halts anything suspicious for human review, with public evaluation results and source code. Live: ledgerguard.arielmagalso.com

Provenance - RAG Claim Verification (Python, FastAPI, RAG, pgvector): answers document questions with the exact cited source or an honest "can't find that," evaluated against a held-out test set. Live: provenance.arielmagalso.com

Upskill Course - Online Learning Platform (Next.js, React, TypeScript, Tailwind CSS, Supabase, Claude API): course catalog, lesson delivery, and certificate logic with a citation-backed RAG assistant and automated content pipeline. Live: upskill-course-online.vercel.app

Cawyan Resort - Enquiry Qualification Automation (n8n, Claude API, REST APIs, webhooks): scores and triages inbound booking enquiries, validates availability in code, and dispatches replies - response time cut from hours to under one minute. Live: cawyanresort.com

EDUCATION

BS in Information Technology

2015 - 2019

Negros Oriental State University - Negros Oriental, Philippines