

Indra Zulfi Mushoddaq

AI Engineer | Production AI System & Harness Engineering

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Career Summary

AI engineer focused on production AI systems, agent runtime design, and harness engineering. I build the tools, workflows, and backend boundaries that make AI features testable, observable, repeatable, and safe to operate.

Professional Experience

AlphaX - AI Engineering Lead

Aug 2024 - Present

Remote, Japan

- Lead technical direction for AI investment research products across startup analysis, stock analysis, forecasting, and decision support.
- Built fullstack agentic AI systems using RAG, tool-calling, data pipelines, and observability, powering 88K+ research reports and 45K+ analyses.
- Solved a 2-year data collection problem by building a more reliable scraping and ingestion system for research workflows.

Devscale Indonesia - Founder and Mentor

May 2023 - Present

Indonesia, Hybrid

- Founded an engineering education platform training 600+ students across 8 programs and 24 cohort batches in software engineering, product, and AI.
- Built practical bootcamps and workshops focused on fullstack development, backend systems, AI tooling, and production engineering.
- Mentored students through real-world projects, debugging, deployment, and engineering decision-making.

Designstripe - Tech Generalist and Software Engineer

Aug 2020 - May 2024

Remote, Canada

- Built MVPs and production features that bridged 3D design workflows with software products across frontend, backend, automation, and tooling.
- Developed internal tools and product systems to turn 3D assets, creative workflows, and product requirements into usable web-based experiences.
- Contributed to a product initiative that helped secure \$13M in investment.

Earlier Experience

- SSH International - 3D Generalist, Bahrain | Aug 2016 - Jul 2020
- Pixellin Studio - Co-founder and Web Developer, Indonesia | Aug 2011 - Jul 2016

Selected Projects

Anvia - Opensource TypeScript Agent Runtime - 2026

Creator - anvia.dev - github.com/anvia-hq/anvia

Created a TypeScript runtime for production AI systems with typed tools, structured context, provider-neutral models, retrieval, workflows, streaming, and observable execution.

Agents OS - Desktop AI Workspace - 2026

Creator - agents-os.dev

Designed an AI-powered desktop workspace that keeps chat, tasks, terminal, tools, git context, and local agent execution in one workflow.

Lexa - Local Code Intelligence CLI and MCP Server- 2026

Creator - lexa.anvia.dev - github.com/anvia-hq/lexa

Built a Rust-powered local code intelligence CLI and MCP server for repository search, symbol lookup, file outlines, dependency tracing, and line-based patches.

DeltaKit - React Toolkit for AI Chat Interfaces - 2025

Creator - deltakit.dev - github.com/deltakithq/deltakit-monorepo

Created React tooling for AI chat interfaces with streaming hooks, typed events, tool-call rendering, and flicker-free markdown updates.

Skills and Expertise

- AI systems: agents, tool calling, structured output, retrieval, streaming, evaluation, observability, provider abstraction, MCP.
- Languages and frameworks: TypeScript, JavaScript, Python, Rust, React, Next.js, TanStack, Node.js, Bun, Hono, FastAPI.
- Data and infrastructure: PostgreSQL, SQLite, pgvector, ChromaDB, Pinecone, Qdrant, Docker, Kubernetes, Terraform, AWS, GCP.
- LLM tooling: OpenAI SDK, OpenAI Agents, Vercel AI SDK, LangChain, LangGraph, LangSmith, Claude, Gemini, Llama, Mistral.