

Serhii Polishchuk

Senior Fullstack / AI Agent Engineer

Cherkasy, Ukraine

polischuk0107@gmail.com · +380 96 648 3261

Summary

Fullstack engineer specialising in AI agent systems. I built an AI-visibility (GEO) platform end to end — multi-agent pipelines, a Node.js API and workers, a Next.js dashboard and two MCP servers — and run it in production, owning architecture, backend, frontend, LLM pipeline design, evaluation and DevOps. Building AI systems since 2022, now focused on agent platforms. Open to full-time, part-time or project-based work, remote.

Experience

Principal Engineer & Technical Lead (Product, AI, DevOps)

Oct 2025 – Oct 2026

AI-visibility (GEO/AEO) platform · Contract · Remote

- Solo, end-to-end development and full technical ownership of a platform that helps brands get found and cited in AI-assistant answers; in production since November 2025.
- Architecture: TypeScript monorepo, multi-service production deployment, CI/CD.
- Agents: a fleet of 35 specialised agents for visibility measurement, analysis and reporting; two MCP servers (public + admin) exposing 50+ tools to AI clients and internal tooling.
- Backend: Node.js API, background workers and queues, PostgreSQL, Redis, MinIO. Frontend: Next.js dashboard, admin panel, browser extension.
- LLM: 4-provider setup (OpenAI, Anthropic, Google, Perplexity), prompt and pipeline design, and answer-quality evaluation across 100+ monitored prompts.
- DevOps: Railway, Vercel, Docker, monitoring and observability (OpenTelemetry).

Product & Tech Lead

Jun 2025 – Oct 2025

AI Founder — startup-validation platform · Project · Remote

- Solo build of a multi-agent platform that validates startup ideas end to end — product, engineering and go-to-market.
- FastAPI backend, Qdrant knowledge base; a cascade of 10+ CrewAI agents orchestrated with LiteLLM and Redis Pub/Sub.
- React frontend with auth and WebSocket live updates; Slack, Reddit, GitHub, GA4 and Stripe integrations.
- Cut research time by ~75% after testing the agent workflows on real users.

Backend Developer, AIGC team

Feb 2022 – Jun 2025

Hyperskill · Contract · Remote

- Backend development on the AI-generated-content (AIGC) team: FastAPI and Django.
- Developed and maintained Hyperskill's open-source testing frameworks (hs-test, hs-test-python, hs-gradle-plugin) in Python and Java — they validate tens of thousands of learner projects.

Testing-library developer & content author

Oct 2021 – Feb 2022

Hyperskill · Contract · Remote

- Developed the Java/Python testing libraries and authored educational content for the platform.

Freelance (sole proprietor) · Contract · Remote

- Android apps in Java 8 / WebSocket: an SMS-gateway app with backend-driven device management, and a client app.

Projects

team-bootstrap

Open-source (v4) role-based AI delivery framework for coding agents: 37 roles, 46 fail-closed checks and 6 pipelines, with an independent verifier, hook-enforced guardrails and OpenTelemetry tracing.

Content-production platform

A 14-stage content-production conveyor on LangGraph with deterministic gates, human approval and a half-price batch lane; driven from a web cabinet, an MCP server or a WordPress plugin; 31 tests.

Certifications

AI-Powered Hypothesis Testing: From Idea to Prototype and Beyond —
Hyperskill (2025)

Web Development in the Age of AI: New Tools, New Roles, New Rules —
Hyperskill (2025)

Skills

Languages	TypeScript, Python, Java
Frameworks & runtime	Node.js, Next.js, React, FastAPI, REST, WebSocket
AI & agents	Multi-agent pipelines, LLM, MCP, RAG, CrewAI, LiteLLM, OpenAI, Anthropic, evals
Data & infra	PostgreSQL, Redis, Qdrant (vector DB), MinIO, Docker, CI/CD, OpenTelemetry, Railway, Vercel

Education

Software Engineering (incomplete)

Cherkasy State Technological University

Computer Science (Stanford-based course)

Sh++ School of Programming

Languages

Ukrainian — Native

English — Upper-intermediate (B2)

Contact

GitHub	https://github.com/polischuks
LinkedIn	https://www.linkedin.com/in/polishchukserhii/
Telegram	https://t.me/polishchuks84