

Andrei Zagainov

AI Systems Architect & Builder | Designed and built a patent-pending AI platform end to end

Israeli citizen | Fully remote, travels | zagainov.andrey.1989+jobs@gmail.com | WhatsApp +972 53-472-5916 |

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Summary

5+ years in software development, hands-on in code since 2020. I design and build complex AI-powered software and take it all the way to real-world use. With modern AI coding tools I deliver across stacks and languages - backend, frontend, integrations, data and test automation - and every result is reviewed and tested by me before delivery. All my work communication is in writing (email or WhatsApp), directly or through my AI tools, so it stays clear and precise.

Experience

Founder & Architect - IVEXA

Oct 2025 - Oct 2026 (now archived) | Self-employed | Israel, remote

- Designed and built end to end a private, self-hosted AI assistant: long-term memory with semantic search, a task engine that plans, runs in an isolated sandbox and tests its own results, an approval and security layer (Face ID for critical actions), Windows and iPhone apps.
- Created a proprietary distributed (P2P) architecture for AI workloads. In a live test it delivered a 1.85x speed-up with identical results. US patent applications filed; technical details are confidential.
- Ran it in real daily use 24/7 for a full year: dedicated GPU server with an open-weight LLM, private network with no public endpoints, encrypted storage and nightly encrypted backups, self-healing watchdog, tested migration to a new server.
- Hands-on: Python and Node.js, Docker, Linux and GPU servers, testing and debugging. AI coding tools used to move faster; every result is reviewed and tested by me.

CEO - IT Kibertronika LLC

2020 - 2023 | Full-time | Russia

- Ran my own IT company and led its team of software developers: set tasks and priorities, reviewed and accepted results.
- Worked in the code myself alongside the developers (Python, JavaScript, Java): backend, frontend and the server side of a complex information system.
- Led EKS, a multi-role platform for residents, building managers and city administrations, tested with real clients.

Founder & Owner - Licensed facility-services company

2021 - Present | Remote management | Russia

- Services for two of the largest grocery retail chains in Russia (about 15 regions, roughly 6,750 sites): contracts, contractors, compliance, multi-site coordination.

Skills

- **AI:** AI agents, LLM integration (RAG, tool calling, MCP), AI process automation, self-hosted AI systems, prompt and evaluation design
- **Hands-on:** Python and Node.js / JavaScript (since 2020), Java, Docker, Linux, GPU servers, software architecture, distributed systems, testing and debugging
- **Delivered with AI coding tools (reviewed and tested by me):** C# / .NET, Go, TypeScript, React, PHP, SQL and NoSQL databases, REST / GraphQL APIs and integrations, web and mobile apps, test automation (Playwright, Selenium, Cypress), CI/CD, cloud deployment (AWS, GCP, Azure), data pipelines and ETL, scripting and internal tools
- **Security engineering (defensive):** secure coding, authentication and authorization (OAuth/SSO), encryption, secrets management, cloud and server hardening, security checks in CI/CD, LLM guardrails against prompt injection, GDPR / SOC 2 / ISO 27001 compliance
- **Management & legal:** software project and delivery management, technical documentation, contract management, business law

Portfolio

github.com/zagainovandrey1989-create/portfolio - IVEXA case study plus five tested projects with CI: Java/Spring Boot API, TypeScript React + Node.js app, Playwright e2e suite, Python AI agent with RAG, Go rate limiter.

Education & Languages

Law degree - Kemerovo State University, 2011

Russian - native | English - basic, actively learning (written work in English with AI tools) | Hebrew - basic