

Dmitry Kargaev

AI Engineer and Senior Product Designer

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Summary

15 years in product design. 5 years building software. The last 3 on production AI.

I build multi-agent systems, RAG pipelines, and agent orchestration with persistent memory. End to end. The interface and the system underneath it.

I came at AI from product design first. Over a decade of watching real people use real software before I ever wrote an agent. Most of my engineering decisions are design decisions in different clothes: what to expose, what to hide, who is actually using the thing.

Before AI, I was the sole product designer at Datai Network, an institutional fintech platform. 70+ banks, hedge funds, and asset managers across 15+ countries. \$4B+ in deals.

Selected Work

- **Dory.** Open-source shared memory layer for AI agents (MIT). Solves session-amnesia across Claude, Codex, and others. Markdown as source of truth, SQLite as a disposable index, five verbs. Runs locally. github.com/deeflect/dory
- **The SEO-to-GEO Gap.** SSRN paper on generative-search ranking factors. DOI 10.2139/ssrn.6476021.
- **Don't Replace Me.** Book on surviving the AI job market (March 2026). 24 chapters of career advice for non-engineers. Paperback, hardcover, Kindle.

Experience

Deeflect Los Angeles, CA Feb 2021 – Present

Author, AI Engineer & Product Designer Mar 2023 – Present

- Built several full-stack AI products from scratch. Architecture, frontend, backend, deployment. Next.js, Supabase / PostgreSQL, LLM integrations.
- Set up multi-agent systems on Claude Code, Codex, and custom agents that run autonomously in production. They handle content generation, code review, and business process automation with almost no oversight.
- Built RAG pipelines on Pinecone and pgvector, focused on retrieval quality and relevance tuning. Designed agent orchestration with persistent memory, task delegation, and sub-agent routing for complex workflows.

Founder & Technical Lead Feb 2021 – Present

- Built and launched blockchain products end to end. Solidity smart contracts, React / Next.js frontends, analytics dashboards, monitoring tools.
- Contributed to multiple crypto products that hit multimillion-dollar valuations with large organic communities. Custom presale infrastructure, smart contracts, full frontend, end-to-end launches.

Datai Network United Kingdom · Remote Nov 2019 – Feb 2025

Lead Product Designer Nov 2019 – Feb 2025

- Sole product designer for an institutional fintech platform serving 70+ financial institutions (banks, hedge funds, asset managers) across 15+ countries on \$4B+ in deals managed annually.
- Took the DeFi analytics product from a blank Figma file to 50K+ users and \$5B+ in monitored portfolios. Research, wireframes, UI, direct work with engineers on implementation.
- Designed the white-label transaction system connecting 450+ financial institutions. Featured in financial industry press.
- Built the component library with design tokens from scratch. Powers 20+ product surfaces.

- Platform won 5 industry awards including Sell-Side Technology Awards and Asset Management Awards.

Spacecode Moscow, Russia

Mar 2018 – Nov 2019

Lead UX/UI Designer

Mar 2018 – Nov 2019

- Worked with Kaspersky, OTPBank, and other major Russian brands. Delivered 50+ apps across web, iOS, and Android.
- Delivered a banking loyalty program (65,000+ users) and a partner portal for 3,000+ MSP partners. Led a team of 5 designers, ran client presentations, built the internal design system, mentored juniors.

Freelance Designer Irkutsk, Russia

Nov 2015 – Mar 2018

Independent

Nov 2015 – Mar 2018

- Started doing design work at 14, went full-time by 2015. Web design, branding, e-commerce. Behance portfolio: 162K+ views, 14.7K+ appreciations.

Skills

AI / ML. AI agents, multi-agent orchestration, RAG, agent memory, tool calling, structured outputs, vector search, hybrid search, context engineering, evals, LLM fine-tuning (LoRA), production agent systems, LLM cost discipline.
Engineering. TypeScript, React, Next.js, Python, Rust, Node.js, PostgreSQL / pgvector, Redis, Docker, Tailwind CSS, REST APIs, GraphQL, webhooks, systems design, self-hosted infrastructure.
Design. Product design, UX/UI, design systems, design tokens, Figma, prototyping, information architecture, accessibility, complex workflow design.
Product. End-to-end delivery, product strategy, technical scoping, async client work, documentation, stakeholder communication.
Top skills. TypeScript, Multi-agent Systems, PostgreSQL.

Tools and Technologies

Claude Code, Codex, Cursor, OpenAI API, Anthropic API, OpenRouter, LangChain, LangGraph, llama.cpp, Ollama, MCP, Pinecone, Qdrant, pgvector, Supabase, Vercel, AWS, Cloudflare, Docker, GitHub Actions, n8n, Playwright, Sentry, PostHog, Figma, Adobe Creative Suite, Framer Motion, Three.js, Solidity, Ethers.js, Weights & Biases.

Languages

English (Professional Working, C2. EF SET 79/100). Russian (Native or Bilingual).

Certifications

- EF SET English Certificate 79/100 (C2 Proficient).
- Master Digital Product Design: UX Research and UI Design.

Education

BS, Computer & Information Systems Security / Information Assurance Moscow State Linguistic University

Sep 2013 – Sep 2017

Web Design (UX / UI) Moscow Digital Academy

Sep 2018 – Sep 2019