

# Gleb Pyatkov

AI Automation Engineer | Agentic Workflows & Multi-Agent Systems

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## PROFESSIONAL SUMMARY

AI automation engineer who builds agentic systems that run business processes end to end — from idea to production. I design around the capabilities of modern LLMs (AI-native) rather than bolting AI onto finished products. Claude Code and the Claude Agent SDK are daily tools: I orchestrate LLM agents with MCP servers, project-level skills and subagents, backed by Python/FastAPI and Node.js/TypeScript, PostgreSQL + pgvector, RAG, async pipelines and Docker. I ship **solo and full-cycle**, with health checks and monitoring. High agency, bias to action, focused on product impact.

## WORK EXPERIENCE

### Mario Berlucci

#### Fullstack Developer

2023 – 2026 · Moscow · Footwear & apparel retail brand

Sole engineer of an internal content-automation platform — owning architecture, backend, frontend, infrastructure and deployment.

- Built a content-automation platform that cut video processing time by **75%** (20+ min → 3–5 min) and automated **95%** of manual operations
- Designed a multi-service architecture — **131 API endpoints**, 20 backend services, real-time WebSocket/SSE progress streaming
- Integrated **6+ external AI services** (Gemini, Kling AI, Veo, Topaz, OpenRouter) with load-balancing, retry logic and dynamic pricing
- Built a fault-tolerant job queue (memory → DB → file) with auto-recovery after restart and parallel processing of up to 4 videos
- Built a full React SPA — 16 pages, Canvas crop selector, drag & drop, SSE chat streaming, Zustand state management
- Set up production deployment — Docker (6 GB RAM), Caddy reverse proxy with SSL, rsync delivery pipeline, health checks and auto-cleanup
- Built a Telegram bot — 10 commands, inline keyboards, Redis-backed user settings, semaphores for rate limiting

## KEY PROJECTS

### Hookora — AI content-marketing SaaS

#### Multi-agent system where AI agents run content strategy and auto-posting

TypeScript · Fastify · React · PostgreSQL + pgvector · Claude Agent SDK · Docker · Nginx

- “Brain” multi-agent system — 3 agents (analyst / scriptwriter / closer) sharing a pgvector knowledge base, orchestrated via the Claude Agent SDK
- Monorepo of 5 services behind a single Nginx gateway; Fastify backend with direct PostgreSQL + pgvector semantic search
- React 18 + Vite auto-posting composer; 43 backend tests, Playwright E2E, CI; Dockerized on a VPS

### hh.ru Job Agent — autonomous AI job-search agent

#### Self-hosted agent that chats with recruiters and applies to jobs autonomously

Node.js · TypeScript · Playwright · GramJS · Claude (agent harness, MCP, RAG)

- Claude-based agent orchestrating recruiter conversations across 5 scenarios (AI recruiter, live recruiter, Telegram, Google Forms, hh.ru forms)
- RAG retriever over a modular knowledge base (markdown cards + keyword/tag scoring) with auto-learning of new cards from clarifications
- Autopilot scheduler that parses vacancies and sends applications on a timer; Playwright over SOCKS5 + Telegram userbot on GramJS

## Whispo — voice-dictation SaaS (0 → 1)

### Multiplatform voice-to-text product with AI processing

Swift/SwiftUI · React · FastAPI · PostgreSQL · Groq · YooKassa · CryptoCloud · Docker

- macOS app (Swift/SwiftUI) — hotkey dictation, Groq Whisper transcription, paste into the active app
- FastAPI backend — 13 API modules, JWT auth (ES256), rate limiting, Prometheus metrics
- Subscription monetization (Free/Standard/Pro) via YooKassa & CryptoCloud, auto-renewal and payment webhooks

## VikiShop — fully automated digital-goods store

### 24/7 unattended trading of in-game currency across marketplaces

Python · asyncio · SQLAlchemy · PostgreSQL · Playwright · Docker · IMAP

- 4 microservices (FunPay, Playerok, GGSEL bots + Midasbuy auto-purchase worker) driven by a 10-state order FSM
- Playwright checkout with automatic 3-D Secure OTP from email (IMAP); dynamic pricing and scam protection
- Concurrency-safe (SELECT FOR UPDATE), connection pooling, health checks and graceful shutdown

## MBand — AI content-creation platform

### Media-processing and content-generation service for content creators

Python · FastAPI · React · FFmpeg · Gemini · Kling AI · Topaz · Docker · Caddy

- Interactive video pipeline (crop, logo overlay, compression) + paired-video generation via Gemini + Kling AI; Topaz upscale
- Three-tier memory → DB → file job queue with auto-recovery after restart
- Docker + Caddy (SSL) deployment on a VPS (6 GB RAM / 3.5 CPU)

## CORE SKILLS

### AI & Agents

AI Automation · Multi-Agent Systems · Agentic Workflows · LLM Agents · Claude Agent SDK · MCP · Agent Harness · RAG · pgvector · Prompt Engineering

### Backend

Python · FastAPI · asyncio · SQLAlchemy · Pydantic · Node.js · TypeScript · Fastify · REST · WebSockets · SSE

### Data & Infrastructure

PostgreSQL · pgvector · Redis · Docker · docker-compose · Nginx · Caddy · CI/CD · Prometheus · Linux / VPS

### Frontend

React · TypeScript · Vite · Tailwind CSS · Zustand · React Query · Swift · SwiftUI

### Automation

Playwright · Telegram Bot API · GramJS · IMAP · Google Sheets API · FFmpeg

### Languages

Russian (Native) · English (B2, Upper-Intermediate)

## EDUCATION

### National University of Science and Technology MISIS — Moscow

Applied Informatics · Bachelor's degree, 2026