

Dmytro Kienko

AI AUTOMATION ENGINEER · CONTENT SYSTEMS DEVELOPER

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AI Automation Engineer with hands-on experience designing and building multi-agent pipelines for autonomous content production. Independently architected two full-scale YouTube factories, modular AI tools, and intelligent Telegram bots with LLM API integration. Background combines technical development, data-driven decision-making, and entrepreneurial experience managing teams of 20+ people and 100–120 active staking players.

IMPACT IN NUMBERS

<h3>120 h/mo</h3> <p>Manual video production replaced — SemanticVideo end-to-end pipeline</p>	<h3>40 h/mo</h3> <p>Client onboarding time saved — АнтиДрон Signal automation agent</p>	<h3>30+</h3> <p>AI agents orchestrated in production (YT_Nexus factory)</p>
<h3>6×</h3> <p>YouTube channels managed simultaneously by one autonomous system</p>	<h3>90%</h3> <p>Reduction in time-to-publish for AI-generated video content</p>	<h3>~120</h3> <p>Active players managed under staking agreements (poker business)</p>

KEY PROJECTS

SemanticVideo — AI Financial Video Pipeline 2024 – Present

- **Result:** ~120 h/mo of manual production replaced — zero manual steps after trigger
- 11-step autonomous pipeline: FLUX LoRA image generation → scene analysis → card rendering (Playwright) → OpenAI TTS voiceover → Whisper subtitle sync → FFmpeg final assembly
- 6 trained character LoRA models; strict layer separation (scene_description vs card_text overlay)
- Auto scene splitting, AI upscaling, patch scripts for iterative content updates

Stack: Python, FLUX LoRA, fal.ai, Playwright, PIL, OpenAI TTS, Whisper, FFmpeg

Signal Onboarding Automation Agent 2024 – Present | Freelance

- **Result:** ~40 h/mo of manual Signal messaging eliminated; onboarding time cut from hours to minutes
- FSM dialog engine with 7 states: data collection → group creation → manual override → stale session alerts (30-min timeout)
- Atomic state saves + 14-file backup rotation; admin panel commands for operator control without code changes
- Delivered professional PDF ROI report and product roadmap for business stakeholders

Stack: Python, Signal-cli, FSM design, JSON state management

YT_Nexus — Autonomous YouTube Factory (Shorts & Music) 2023 – Present

- Multi-agent Python system (30+ agents) for automated video generation, editing, and YouTube publishing
- Modules: music generation (Suno API), AI video (Kling, Runway Gen-4), SEO optimization, auto-upload
- Audio normalization (EBU R128 loudnorm), Whisper subtitles, per-channel quota isolation
- Telegram bot Jarvis as unified control panel — TOTAL FACTORY mode; manages 6 channels in parallel

Stack: Python, FFmpeg, YouTube Data API, Claude API, Gemini, Docker, SQLite

YT_Systema — Story Factory 2023 – Present

- Autonomous pipeline for drama/documentary YouTube channels across multiple languages (IT, ES, UK, RU)
- Competitor analysis with Gemini AI, multi-channel DNA genre system, geo-adaptive rewrite engine

- Script generation, TTS voiceover, FFmpeg video assembly, Thumbnail Brain (Fal.ai + PIL)
- Deployed on Hetzner VPS (Docker + Nginx + SSL), Telegram auth with Tribute payment integration

Stack: Python, Flask, Gradio, Docker, Nginx, SQLite, Suno API, Kling AI, Fal.ai

Modular AI Tools & Utilities 2022 – Present

- Loop Studio — GUI video loop editor with 4 transition algorithms (RIFE, Optical Flow, Crossfade, Laplacian)
- Suno Desktop Generator v2.8 — track generation, auto-mix, fade-out, tempo detection, mutagen ID3 tags
- Video processing: blur, AI upscaling (Real-ESRGAN), logo removal (LaMa Cleaner)
- Telegram bots & assistants: Claude/GPT/Gemini API, RSS scanners, referral systems, leaderboards

Stack: Python, tkinter, FFmpeg, Pyrogram, Telegram Bot API

WORK EXPERIENCE

2022 – now

AI Automation Engineer · Self-Employed (Autónomo)

Spain

Designing and building AI-powered automation systems for YouTube content production. Managing multiple channels across GEOs and niches (music, drama, documentary).

2021 – 2024

Founder & CEO — Online Poker School / Staking Project

Self-Employed

- Founded and managed a poker training and player staking business — full P&L ownership
- **Team of ~20 staff**; overseeing 100–120 active players under staking agreements
- **Risk management & analytics**: player performance tracking, bankroll control, drawdown limits, ROI per player — same analytical rigor applied to current AI systems design
- **Built operational processes**, recruitment pipelines, training programs, and financial controls — direct groundwork for leading technical teams

2012 – 2020

Professional Online Poker Player & Affiliate

Self-Employed (break 2015–2016)

- 7+ years in a highly competitive, data-driven environment: analytics, risk management, bankroll management
- Affiliate marketing: player acquisition, partnership programs with major poker networks
- Quantitative mindset developed under real financial pressure — directly transferable to product and systems thinking

2010 – 2012

Entrepreneur — Telecommunications Services

Kharkiv, Ukraine

- Founded and operated 2 retail points for wireless 3G internet and voice service connection
- Sales, customer support, modem & phone configuration, on-site antenna installation

2009

Telecommunications Consultant

Telecom Retail Store, Kharkiv

Sales and technical support for mobile communication services.

TECHNICAL SKILLS

PROGRAMMING	AI / LLM APIS	VIDEO & MEDIA	INFRASTRUCTURE
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Python (primary) · Bash/Shell	Claude · GPT · Gemini · Suno · Kling AI · Runway Gen-4 · Fal.ai · Whisper · FLUX LoRA	FFmpeg · Whisper STT · Real-ESRGAN · Playwright · PIL · CapCut · Photoshop	Docker · Nginx · Linux/VPS/SSH · Hetzner Cloud
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FRAMEWORKS & LIBS Flask · Gradio · tkinter · Pyrogram · Telegram Bot API	DATABASES SQLite · YAML/JSON config management	EXTERNAL APIS YouTube Data API · Reddit API · Suno API · Signal-cli · RSS parsers	AI-ASSISTED IDES Windsurf (Cascade) · Cursor
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LANGUAGES

Ukrainian — Native · **Russian** — Native · **Spanish** — C1, Fluent · **Italian** — B2, Fluent · **English** — A2 (technical documentation reading)

EDUCATION

- 2009 **Kharkiv National University of Radio Electronics (NURE)**
Faculty of Computer Science · Specialist Degree
Department of Information Control Systems and Technologies · Specialisation: Automation of Computer Systems

- 2014 **University of Internal Affairs of Ukraine (MIA)**
Law / Jurisprudence · Bachelor's Degree

Additional training: QA Testing course (2015) · Certified Massage Therapist (2015)
IT competencies deepened through self-education, hands-on development, and AI-assisted coding.