

Illia Zabolotskyi

Backend & Automation Engineer

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Product-minded automation builder focused on removing recurring friction from real workflows.

SELECTED PROJECTS

Order production pipeline

Takes custom photo and video orders from intake to delivery, with team workspaces, a review studio and GPU workers.

AI operations hub for an Etsy shop

Listings, media, customer replies and social posts in one place, with AI agents that need a human OK before they act.

AI companion for Telegram groups

A chat AI for real group chats that remembers old conversations, checks facts on the web and understands photos and voice.

Agents with a safety catch

Lets AI agents post to real accounts: read context, live preview, owner approves, publish once.

QR bot, running since 2019

Scans and makes QR codes in Telegram. Its new scanner shipped only after running side by side with the old one on live traffic.

EXPERIENCE

AI-assisted Digital Production & Automation

current

Produces personalized photo and short-video commissions using AI-assisted generation together with manual editing, retouching and compositing where needed. Performs visual quality control and iterative revisions before final delivery.

Software Developer — retail loyalty systems (client work)

Dec 2020 – Nov 2022

Supported loyalty-processing workflows for retail networks. Developed REST APIs, PHP/JavaScript backend functionality and messenger chatbots.

Freelance Chatbot Developer

2020

Developed PHP chatbots and integrations.

C#.NET Developer (part-time), medved.studio

2019

Worked part-time on an ASP.NET Core server API for restaurant-related applications.

Football Manager Research Contributor — Ukraine

2014 – present

Long-running contribution to research and maintenance of Ukrainian football data for Football Manager. Apply football-domain judgement to qualitative and quantitative attributes where required.

SKILLS

Backend: Python, Node.js, PHP, REST APIs, SQLite and SQL, FastAPI, Express

Automation: Etsy API, Trello API, Telegram Bot API, Telegram MTPROTO / Pyrogram, Google Drive API, Gmail integration, Browser extensions, Playwright browser automation

AI: GPT Actions and OpenAPI tool contracts, AI-assisted workflow design, multi-model routing and orchestration, model/provider fallback and capability-specific routing, grounded retrieval and evidence-aware web search, long-range conversational retrieval and context management

Reliability & ops: idempotency, crash recovery, durable journals, atomic file writes, duplicate prevention, fault isolation, Linux VPS, systemd services and timers, cron, GitHub Actions

EDUCATION

STEP IT Academy, Software Development

2016 – 2019

Kyryvi Rih National University, Electrical energetics, electrical engineering and electromechanics

LANGUAGES

Ukrainian (native), Russian (fluent), English, Lithuanian