

Dmitry Pan

Product Engineer & IT Architect

"I design and build scalable IT systems.

I transform business challenges into working digital assets.

01

Product & Architecture

Designing business logic, databases, and interface structure. A product foundation ready for scaling.

02

System Development

Fault-tolerant backend, APIs, and fast frontend solutions. AI integration and business process automation.

03

Infrastructure

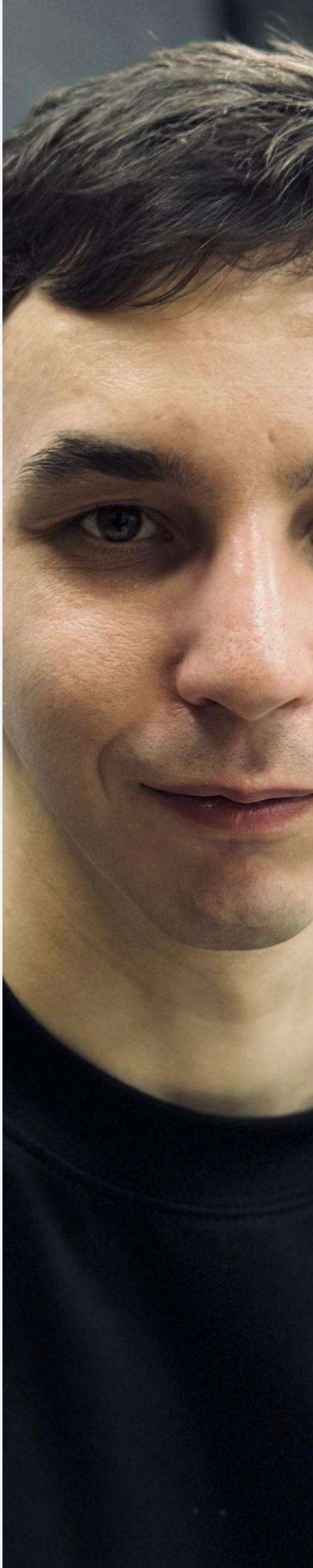
Setting up analytics, tracking, and funnels. A software environment where your marketing generates revenue.

04

Launch & Scaling

Deployment automation (CI/CD), server configuration. The product runs autonomously and handles high loads.

Telegram: [@panchesko](#)



WHY ME

Business Product Engineering

01

Business Architecture

Agency management experience allows me to design systems through the lens of ROI and unit economics. Focus on creating assets that generate profit, not just consume resources.

02

Product Engineering

I translate business requirements into efficient code. Every feature is a testable hypothesis. I shorten the cycle from idea to market launch.

03

Full-stack Architecture

From database design to DevOps and server configuration. A streamlined engineering process for launching products without a bloated team.

04

Independence

I translate your business goals into strict technical architecture. I take full responsibility for all stages — from the first line of code to launching the finished product.

Technology Stack

High loads, scaling, and LLM integration

FRONTEND (CLIENT & UI)

Next.js 15 & React

SSR, instant loading, and scalable interface architecture

TypeScript

Strong typing to eliminate bugs at compile time

Tailwind CSS

Utility-first approach for perfect responsiveness and clean code

BACKEND & DATA

Go & Python (FastAPI)

High-load microservices, complex APIs, and Telegram integrations

PostgreSQL + pgvector

Relational database with vector memory for neural network data

High-speed Storage

Working with SQLite and file-based databases for extremely fast writes

AI, AUTOMATION & INFRA

LLM Integration

Agnostic integration of any neural networks via API and deployment of local AI models

Playwright & Telethon

Process robotization, complex parsing, and building autonomous agents

Linux & Docker

Full project containerization, UNIX server setup and administration

MARKETING & SEO

Technical SEO

Deep code optimization for search priority and excellent UX

Semantic Architecture

Designing site structure based on semantic core and query hierarchy

Structured Data

Implementing microdata for rich snippets that increase CTR

Traffic & Analytics

Managing campaigns in Yandex.Direct/Google Ads and setting up end-to-end analytics

Portfolio

AUF TRAVEL

Platform for tour management and booking

- **Full-stack development** — Complete cycle from prototype and design to architecture, launch, and SEO optimization
- **Inventory Sync** — Database with automatic real-time updates of available tours
- **Management** — Intuitive admin panel for instant schedule and price changes by managers
- **E-commerce module** — Online booking system converting traffic into direct on-site payments

Бронирование

Выбранный тур

Горный Дагестан

5 дней / 4 ночи

Дата

20-24 Апреля

Гости

1 человек

Ваше имя

Иван Иванов

Куда отправить билет?

Telegram

WhatsApp

MAX

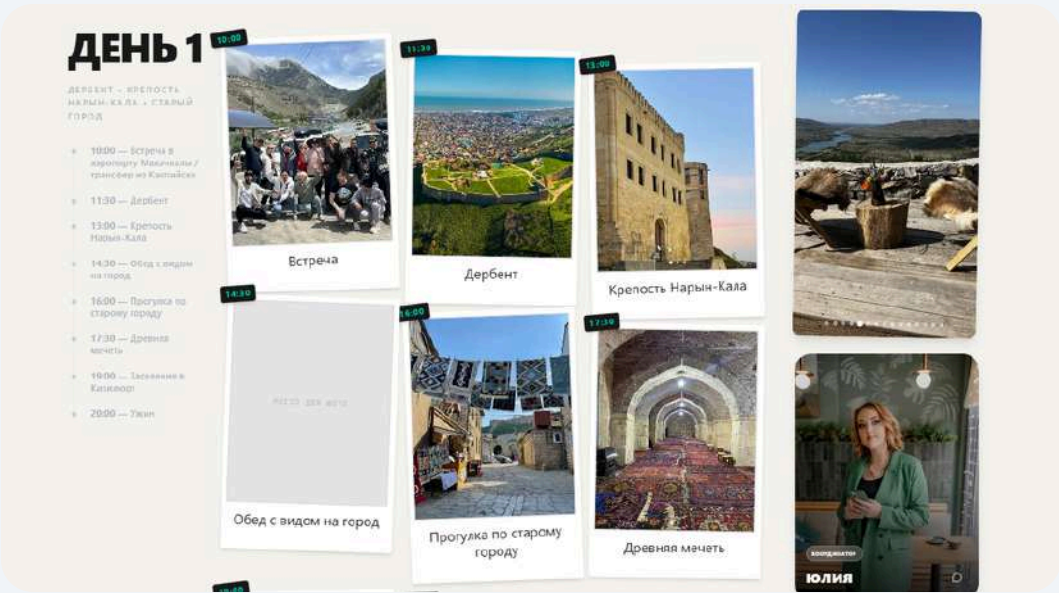
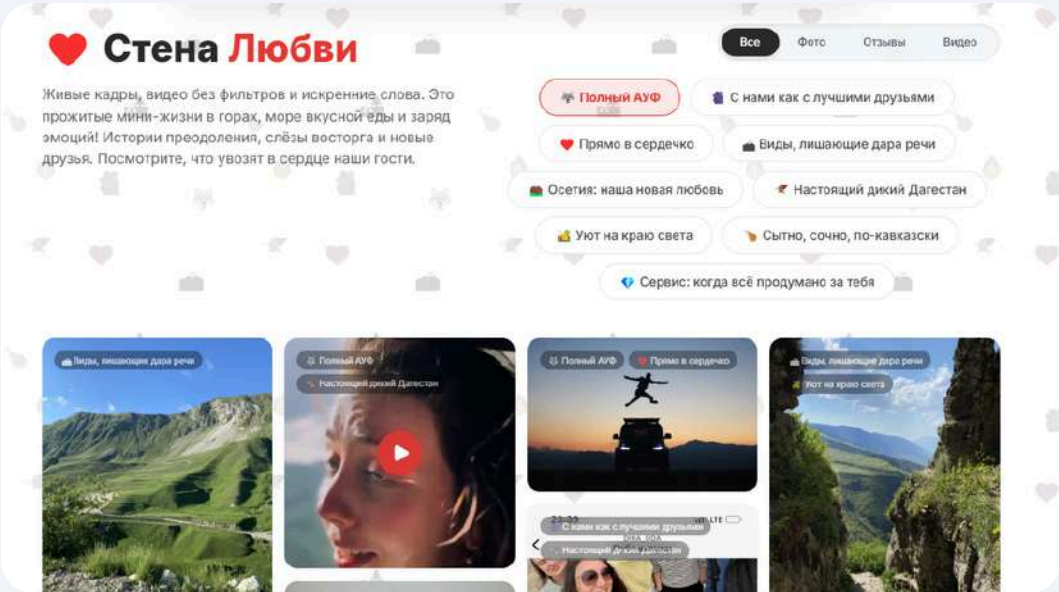
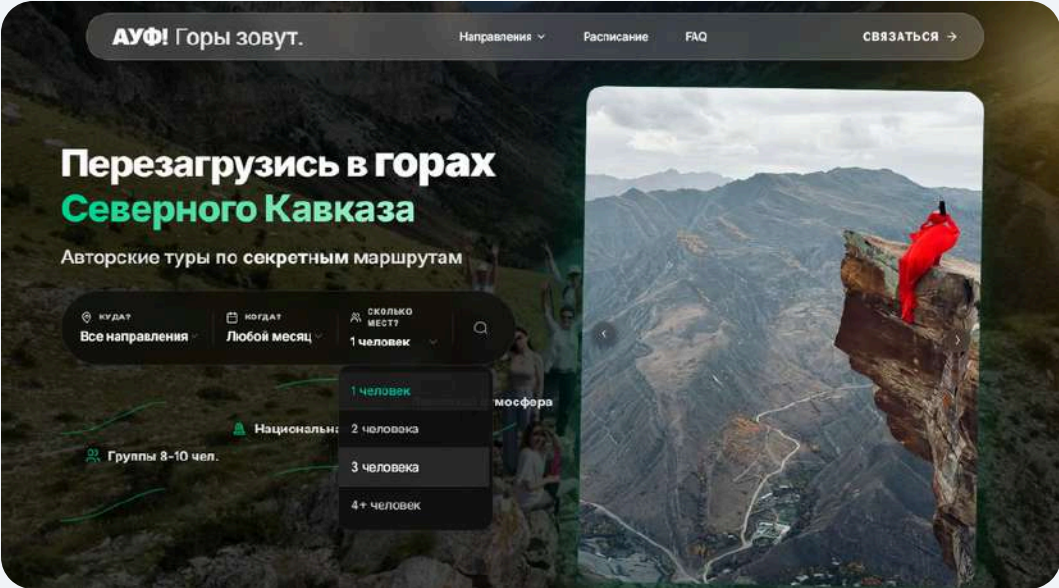
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Next.js

TypeScript

Tailwind CSS

Node.js

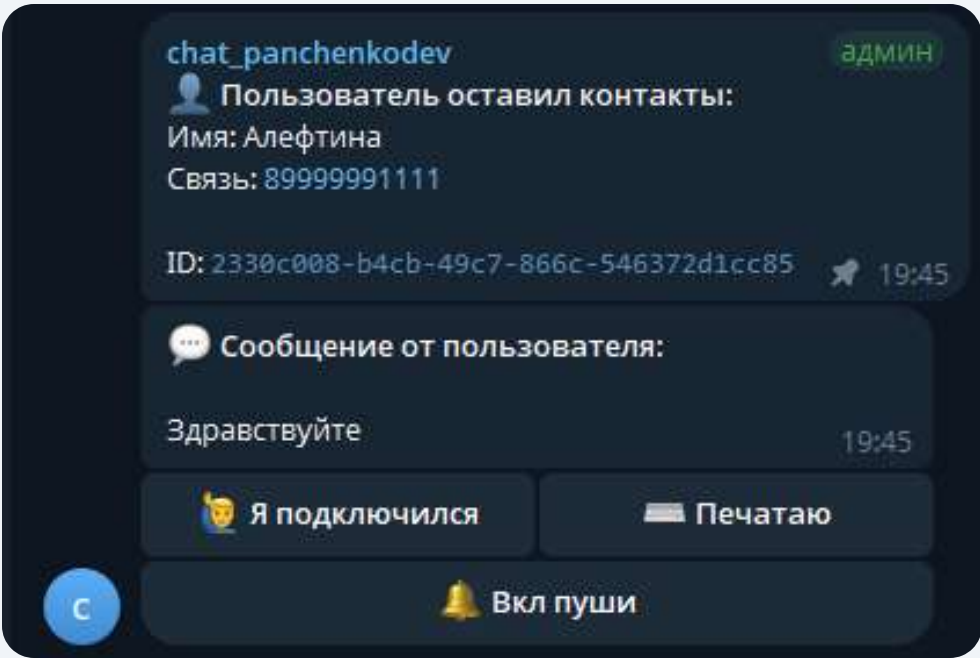
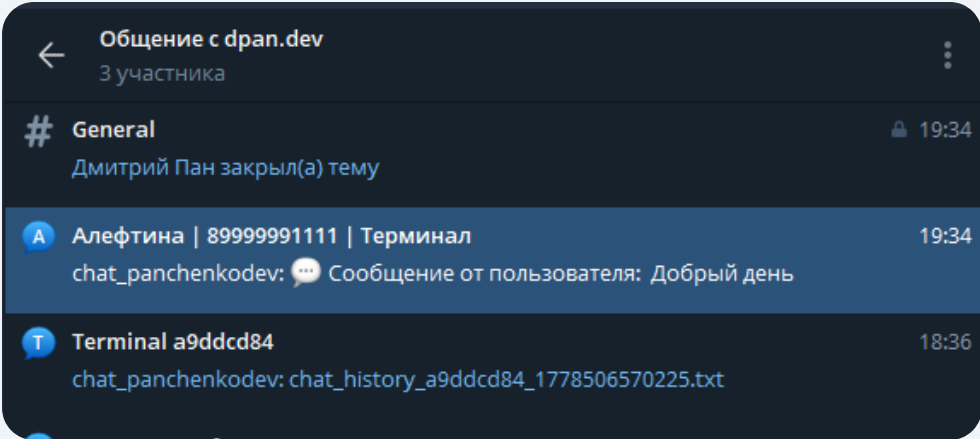
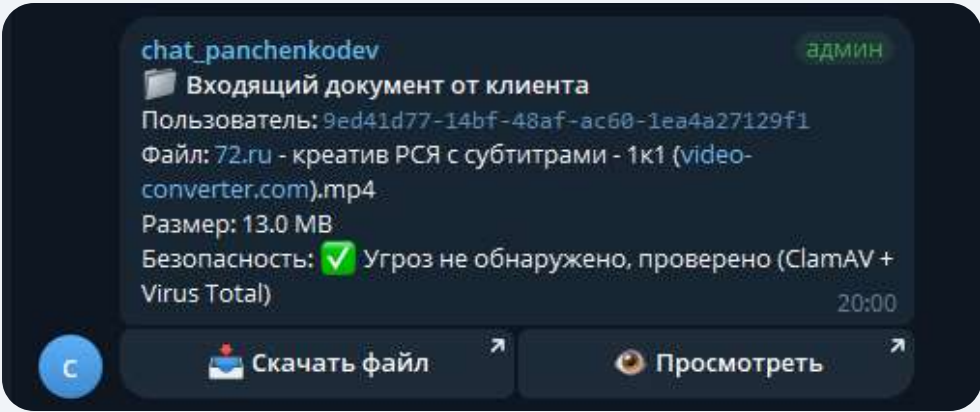
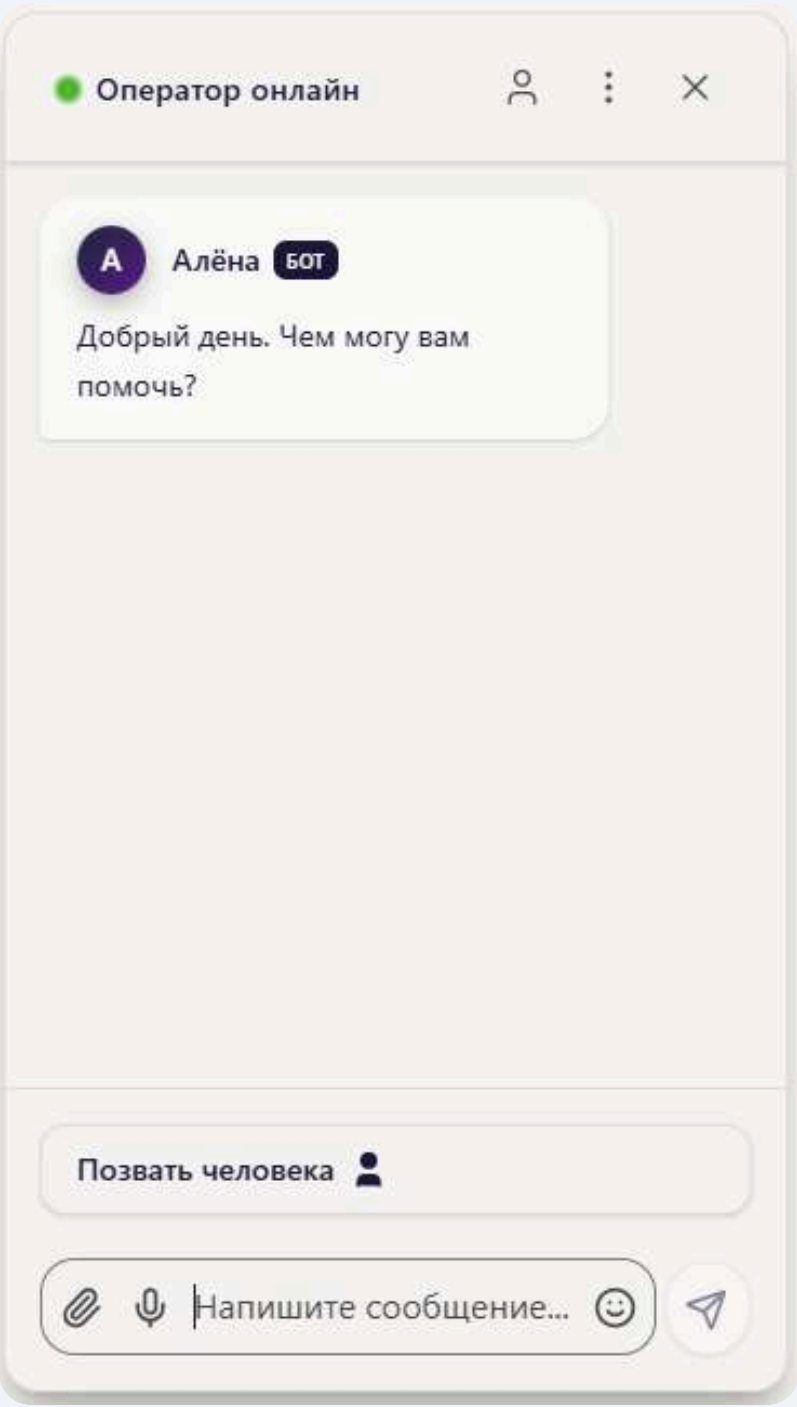
PostgreSQL + Prisma

Docker

Online Chat

Chat with operator and AI integration

- **Request delivery** — Instant notifications on PC, Mac, iPhone, and Android
- **Connection guarantee** — Multi-level notification system so managers don't miss a single client
- **Telegram integration** — Convenient request reception and sorting through Telegram topics
- **Control** — Export all conversations for analytics and customer feedback system

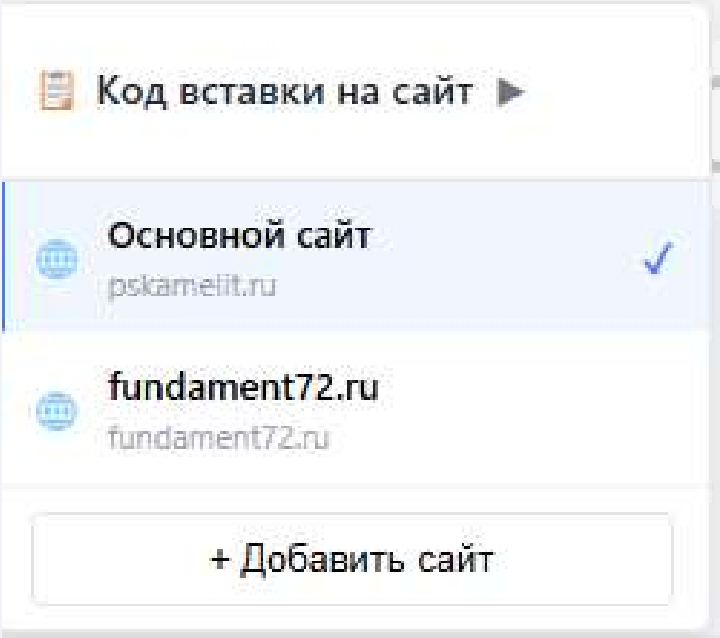
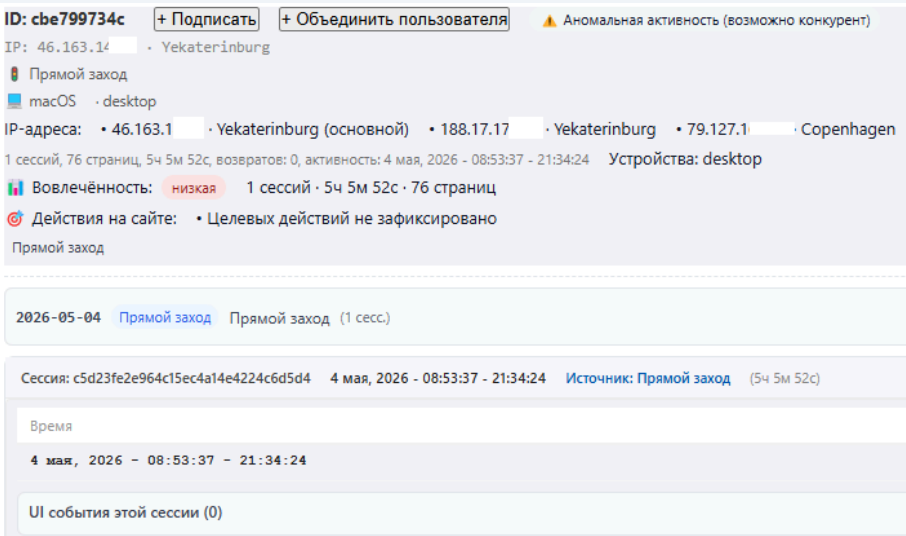
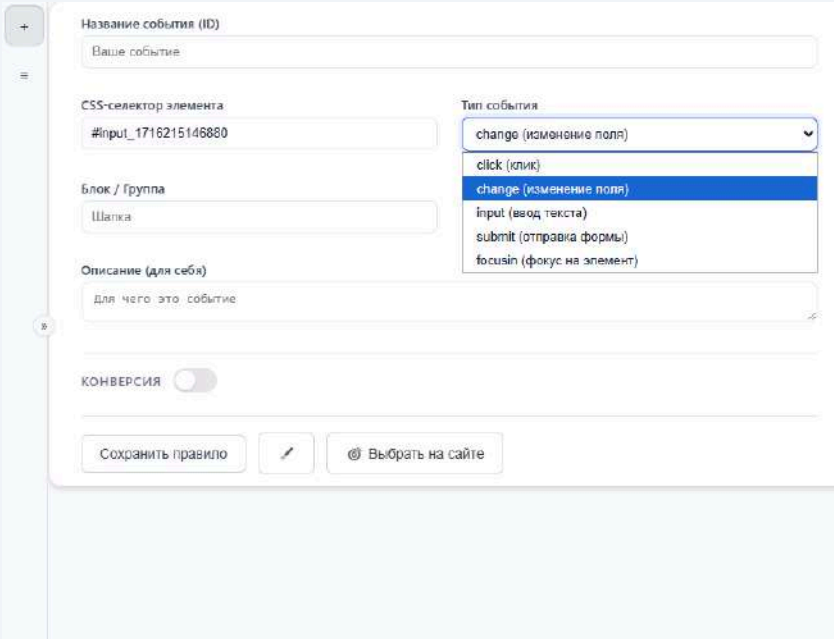


- Next.js 15
- TypeScript
- SQLite (Persistence)
- Tailwind CSS
- Docker
- AI-Ready API

METRICS

Custom tracker and analytics for business needs

- **Custom development** — Tracker and analytics tailored to specific business needs, more convenient and accurate than Yandex.Metrica
- **Traffic cleaning** — Detects bots to avoid wasting budget on Direct or Google Ads
- **User history** — See everything: which IPs, cities, and devices they used, stitching together complete visit history
- **Path to purchase** — User action map shows exactly what led to the request and how to improve the site



Next.js

JavaScript (ES6+)

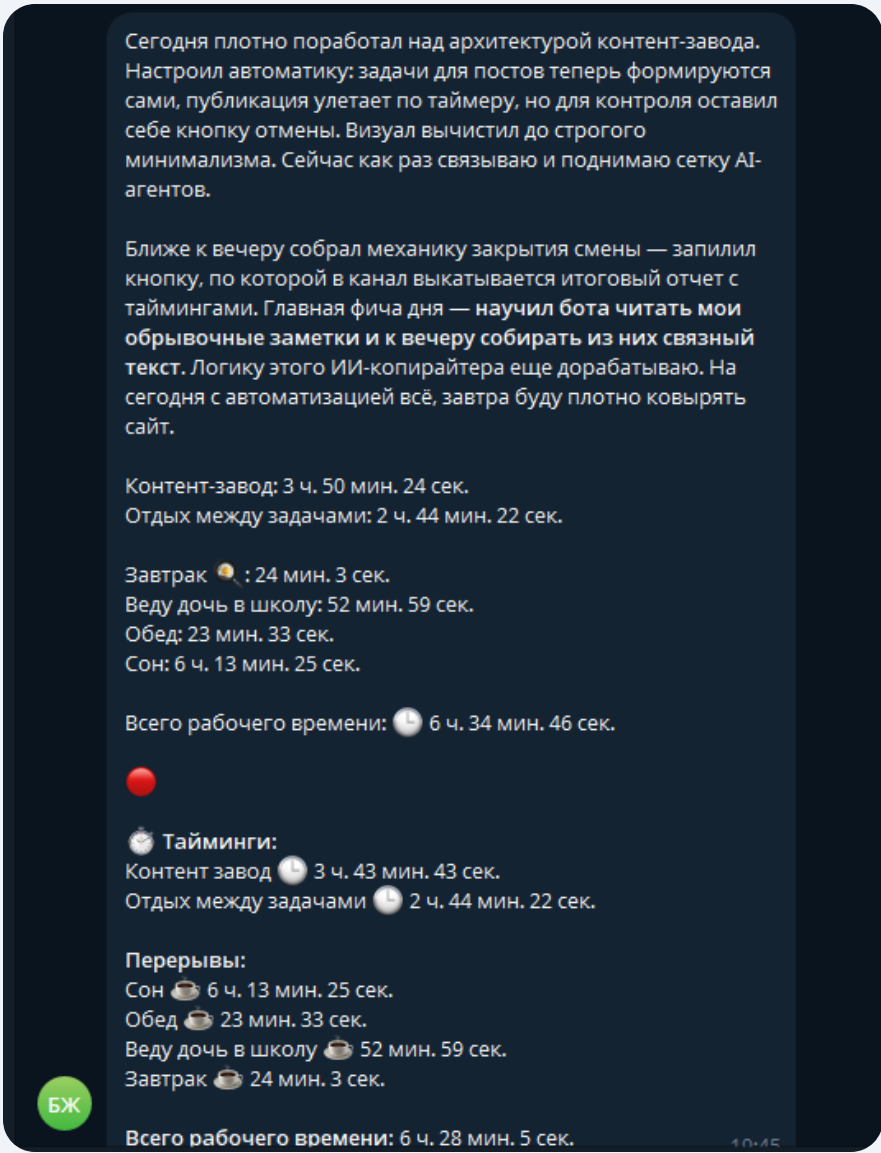
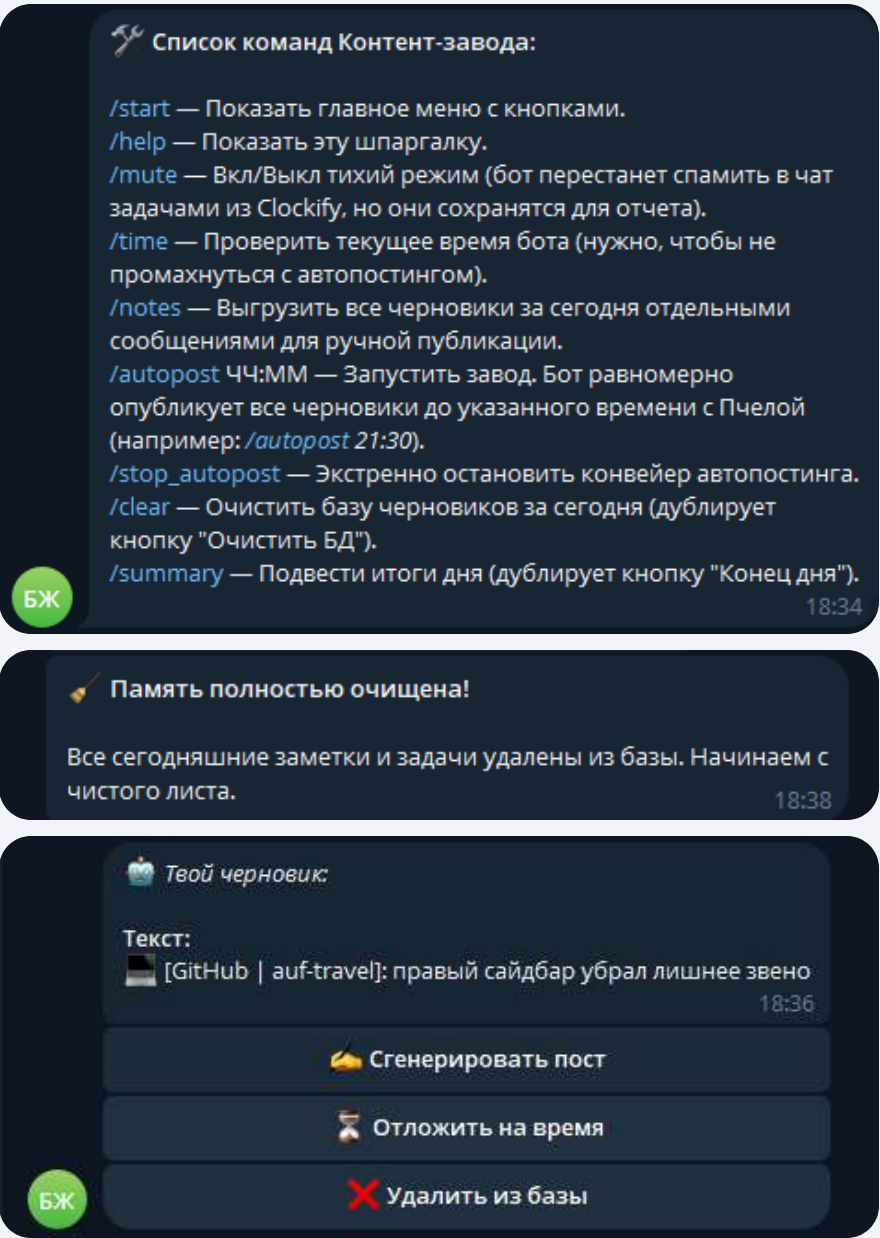
Modular Data Architecture

High-speed File Storage

Content Factory

Content automation via Telegram and AI

- **Integrations** — Synchronization with Clockify tracker and GitHub commits
- **AI generation** — Writes posts via Gemini and creates images via Nano Banana
- **Planning** — Database with event calendar and content fill control
- **Simplicity** — All management through Telegram bot, written in Python

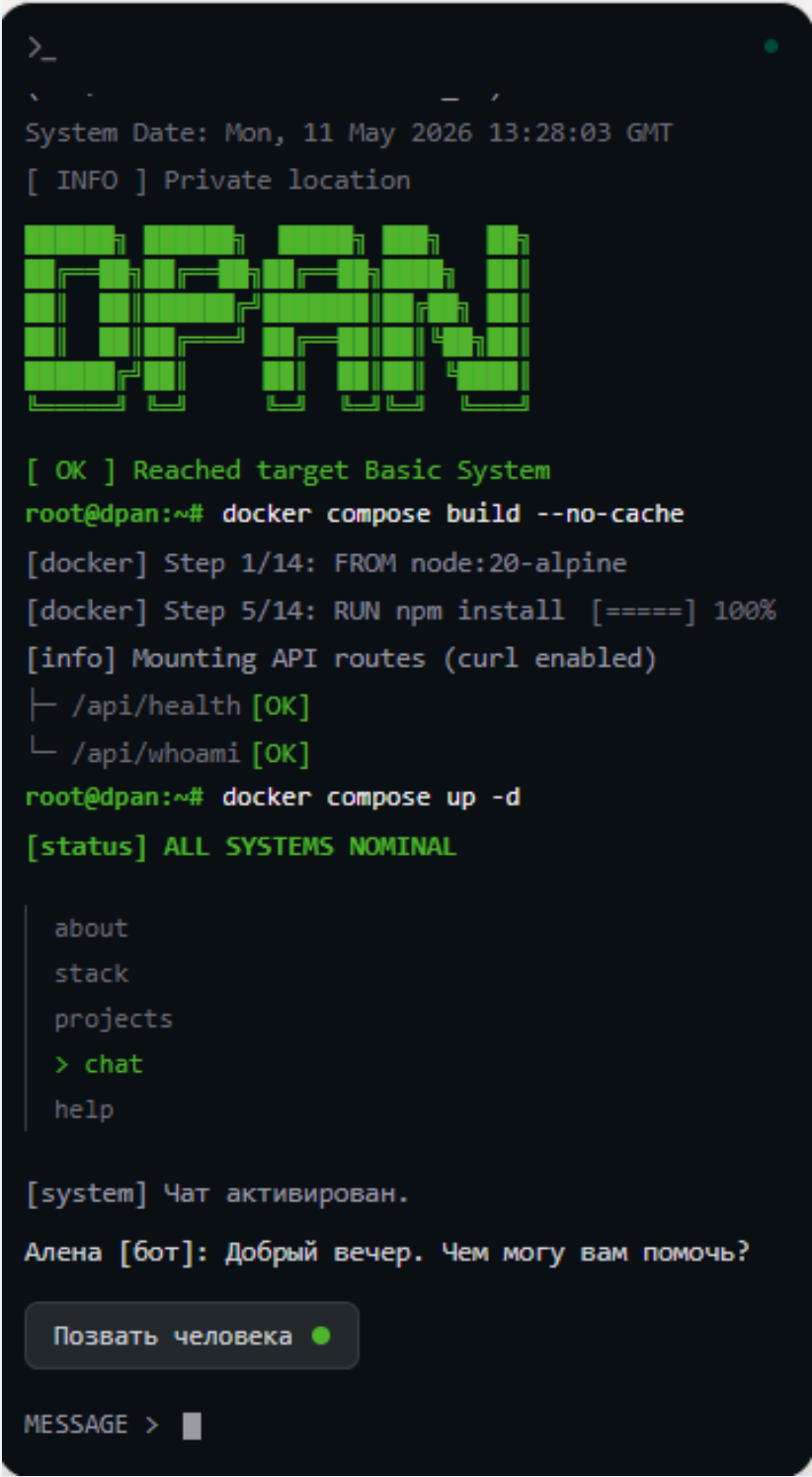


- Python
- Telethon
- Gemini AI
- PostgreSQL

Terminal

Interactive terminal-style portfolio

- **Command-line logic** — Deep emulation of UNIX-like environment, built from scratch on Next.js 15 without heavy third-party libraries
- **Direct communication** — Integrated communication channel through console, allowing messages to be sent directly to my work stack, bypassing standard forms



- **Developer Experience (DX)** — Architecture with open API endpoints. Test the system via curl dpan.dev/api/whoami — the project responds as a full-fledged backend

Next.js 15

TypeScript

Tailwind CSS

Custom API Engine

Docker

Let's discuss your project?

Ready to transform your business challenges into
efficient and scalable IT architecture.

TELEGRAM

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GITHUB

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Full portfolio at [dpan.dev](#)