Software development and business automation. Moscow, working remotely

filippmikheev.com Telegram @filly_tt feelmetttt@gmail.com

Filipp Mikheev

Ten years auditing the accounts of large companies. Now I build systems where money and data reconcile and only the right people see the amounts: operations systems and CRMs, migrations off legacy platforms, AI in daily work, websites.

From audit to engineering

From 2017 I checked how money reconciles at large companies, who can see which figures and what gets lost when data moves. Now I check the same things in my own code before go-live.

Education
MEPhI (National Research Nuclear University), economic security, degree with honours, 2017

Course
EPAM, systems analysis, 2024

Audit and internal control

IFRS and Russian GAAP audits of large industrial, IT and state companies. Internal control assessment under COSO and SOX, operational audit, forensics, reporting to CFOs and audit committees. Led teams of up to ten.

- 2017-2018 — **FBK Grant Thornton** Audit Assistant
- 2018-2019 — **Baker Tilly Russia** Experienced Assistant
- 2019-2020 — **Manufacturing company** Internal Auditor
- 2020-2021 — **FBK Grant Thornton** Auditor
- 2021-2022 — **ADE Professional Solutions** Audit Project Manager
- 2023 — **Haier** Senior Internal Control Specialist
- 2023-2024 — **FRESH AUTO** Senior Auditor

Engineering

Commercial .NET development in a product team and, since 2024, my own projects, where I lead the development: from the first client conversation to deployment and incident duty.

- 2024-2026 — **Altenar** Backend Developer, C# and .NET
- since 2024 — **Independent** Client systems: operations software, CRMs, migrations, AI. Argos. «Сайты и точка».

What I work on now

Client work

Business automation, end to end

The usual picture: the process already works, but it lives in chats, spreadsheets and a few people’s memory, and a mistake in money or data costs more than the development itself. I take the work from the first conversation to a running system, and I stay for support.

Operations system or CRM for your process
cleaning: office CRM, 6 roles

Migration off legacy systems and spreadsheets
11,055 old URLs still work, rollback in one command

Integrations
PBX: customer card before pickup

AI in day-to-day operations
Argos: 500k journal lines anonymised in 85 s

Incident investigation and stability
root cause found after 2 failed investigations

Apps for staff and customers
~600 buyers across two messengers

Websites and search optimisation
crawler response 8.6 → 0.6 s after the repair, Lighthouse 98-100 on site prototypes

My own product

Argos

An AI assistant for audit firms. Its agents work in steps, with the result checked at each one, and a custom MCP server for external AI assistants logs every call.

One command checks all eight packages

Build	✓
Type check	✓
API contract	✓
Tests in a full run	23,875 ✓

16 journal-entry checks

133k lines of code

173k lines of tests

argos-audit.ru ↗

Studio

Сайты и точка.

The name means roughly “Websites, full stop”. The studio moves and redesigns online shops. Example: by-home.ru, a 13,000-product shop: all 11,055 old product URLs still work, and the first order on the new site came the next day.

sitesstudio.ru ↗

Figures and where they come from

As in an audit, every figure comes with its source. All of them are from the projects described below.

Automated tests as of 9 November 2026

Online shop	**1,023**
Grocery delivery	**752**
Cleaning CRM	**1,990**
Country estate app	**70**
Argos	**23,875**
Five systems in total	27,710 ✓

Projects

Seven projects from 2026: before, what was done, after. Client names, domains and data are withheld, except by-home.ru, shown with the owner's consent.

● **Live** E-commerce, 2026

by-home.ru: repairing a 13,000-product shop and moving it to a new platform

First the old site was repaired: a product page went from 11.6 s to 0.5 s, crawler responses from 8.6 s to 0.6 s. Then the shop moved to the new platform: all 11,055 old product URLs still work, the old site kept for a one-command rollback.

13,532
products moved

11,055
old URLs still work

13
tables instead of 373

1,023
tests

by-home.ru ↗

Before

An end-of-life platform. Malware came back three times in a month; two previous investigations found nothing. A product page took 11.6 s to load.

Done

- Process monitoring showed the intruders came in past the web server, through a service port open to the internet. The port is closed, and the fix survives a reboot.
- A replacement platform built in parallel; all 11,055 old product URLs open the product or, if it was withdrawn, its section.
- Search: crawlers made up 62% of traffic and waited 8.6 s for a response. That is now 0.6 s, and every URL after the move was matched one-to-one against the old ones.

Stack

Python, FastAPI, SQLAlchemy, PostgreSQL, Alembic, React, TypeScript, Docker Compose, nginx, iptables, fail2ban, PrestaShop / MariaDB

○ **Prototype with the client**

Building materials, 2026

A manufacturer's website: from audit to a site that picks the right product itself

Lighthouse on mobile: old site 57-92, new site 98-100 across all categories. The client's change list is done; next is moving it onto their CMS.

170
URLs crawled in the audit

684
profiles in the calculator

Before

93 pages and not a single enquiry form: emails went to seven branch inboxes and no analytics goals were set, so nobody knew how many enquiries the site produced. The sitemap listed 9 of 93 URLs, 21 links were broken, 1,785 of 1,912 images had no alt text, 61 titles were duplicated. The calculation page said "please contact our specialists" instead of calculating anything.

Done

- An outside-in audit with no access granted: 170 URLs crawled, Lighthouse runs, five competitors reviewed, a five-step plan.
- A new site: product and coating thickness picked for the required fire-resistance rating, with the certificate number; a consumption calculator over the steel section catalogue (684 profiles, checked against two sources); enquiries routed to the right branch by region.
- A map of 123 old URLs: 84 stay, 21 get permanent redirects, 18 greeting posts move to the news section, rules tested on the same server type. One domain version and canonical URLs instead of duplicates.

Also found

Questions about the product documents and the specification tables; both went to the technologist to check.

Stack

HTML, CSS, JavaScript, Node.js, schema.org, Apache 301 / canonical, Caddy, Docker, Lighthouse, axe

● **Live** Furniture, 2026

A dealer catalogue in two days: 817 items, none missed

The catalogue runs on the client's hosting. All 2,750 files were checked by size during the transfer.

42
sections checked

2
days from voice note to catalogue

Before

A dealer needed its own catalogue of the factory's full range, but the factory site had 42 sections and no export. The brief arrived as two voice messages.

Done

- The voice messages were transcribed locally. The factory site was crawled in two independent passes, completeness checked section by section.
- An Excel workbook with every attribute and a formula-driven summary. An online catalogue: collections, a filtered storefront, product pages with galleries, an order form on every product page. Hidden from search engines.

Stack

JavaScript, HTML, CSS, Python, Excel, whisper.cpp, Vercel

○ **Prototype** Musician, Germany, 2026

A concert musician's website prototype: a personal invitation for every guest

Six screens; every guest gets a personal invitation link in their own channel and language.

6
screens

3
invitation channels

Goal

A German and Russian site for a musician based in Germany. The point is to invite each guest to concerts personally.

Done

- Each guest gets a message with their own name and form of address in their language ("Liebe …", "Sehr geehrte Frau Dr. …", "Дорогая …") through their own channel: WhatsApp, SMS or email. A personal link leads to a reply page.
- schema.org MusicEvent markup so Google can show date and venue right in the results.

Checks

The layout was checked at 390, 768, 1024 and 1280 px: no horizontal scroll.

Stack

HTML, CSS, JavaScript, schema.org MusicEvent, WhatsApp / SMS / email, Lighthouse, axe

---

● **Live** Grocery delivery, 2026

A delivery service moved from chats and spreadsheets into one system

Order numbers agree between bot and panel, and risky features ship switched off until the client decides.

383
old orders renumbered

752
tests

Before

Orders, operators, purchasing, delivery and customer money lived in a messenger and spreadsheets. The bot and the panel showed different numbers for the same order.

Done

- An office panel and two storefront bots with the same features: Telegram and a second messenger whose API client I wrote from scratch.
- Customer balances are kept as a ledger; a second click during cash reconciliation cannot double an amount.

Stack

Python 3.12, FastAPI, SQLAlchemy async, PostgreSQL, Redis, aiogram, React 18, TypeScript, Ant Design, TanStack Query, Docker Compose

---

● **Delivered** Cleaning services, 2026

Office CRM and a field app where only the right people see the money

The system passed four acceptance rounds. Managers and workers see only the sums they are entitled to, and the customer card pops up while the phone is still ringing.

1,990
tests

~550
customers migrated

Before

One-off jobs and contracted sites lived in spreadsheets. Boxed CRMs did not fit field-staff settlements or access control around money.

Done

- Access to sums is enforced on the server, side doors included: Excel exports, PDF quotes, the calculator, the field app.
- Two years of data and ~550 customers migrated; two-way virtual PBX integration.

Stack

Python, FastAPI, PostgreSQL, React, TypeScript, Ant Design, Telegram Mini App, virtual PBX API, Excel / PDF

In daily use Property management, 2026

A country estate: an app that reads receipts and understands voice

Voice input is transcribed on the server and works the same on iPhone and Android; notifications were verified on a real device. Used every day.

70
tests

0
app stores involved

Before

The owner and the manager ran expenses, tasks and purchasing in chats and on paper.

Done

- An app installed on the phone as an icon, no app store, with 3 roles.
- Receipts go through a chain of recognisers with a local fallback; line items attach to the pending order.

Stack

Python, FastAPI, PostgreSQL, PWA, Web Push, Tesseract, Whisper, Docker Compose

How audit experience lowers your risk

I brought three rules from audit into code. Each comes with a bug from a real project.

Money reconciles by entries

Balances are derived from operation history. Any figure can be traced to its source entry, and a second click never creates a second payment.

from practice

Handing over cash doubled a worker's debt because the sign came from the button. Fixed before go-live.

Rights are enforced on the server

Hiding a button is not enough. I check the side doors: exports, printed forms, calculators, the "view as role" mode.

from practice

The role mode swapped only the menu while sums still arrived under the manager's rights. Closed on the server.

Migrations are reconciled row by row

Before the move: a backup and a tested restore. After: counts and totals reconciled with the source. A discrepancy stops go-live.

from practice

Spreadsheet sums arrived as 6094.999999999999 and broke the re-run. Handled in the migration.

Stack

Backend	Frontend	Bots and AI	Infrastructure
Python	React	aiogram	Docker Compose
FastAPI	TypeScript	Telegram Mini App	nginx, Caddy
SQLAlchemy, Alembic	Ant Design	LLM agents	Linux
PostgreSQL	Vite	MCP	iptables, fail2ban
Redis	TanStack Query	Whisper	pytest
C# / .NET	PWA	Tesseract	Lighthouse, axe

Get in touch

Telegram or email. If it is about a task, a few lines help make the first call concrete:

- how the process works today and what it runs on;
- how many people and operations per day or month;
- where money, time or control get lost.

I will reply with an approach, a preliminary estimate and the risks I can already see.

Telegram
@filly_tt

Email
feelmetttt@gmail.com

filippmikheev.com

© 2026 Filipp Mikheev

No trackers and no third-party requests on this site.

filippmikheev.com