

Aleksey Kornilov

Full-stack developer · Flutter / Node.js

Samara, Russia · remote or on-site · full-time

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I build web and mobile apps with Flutter and Node.js: one codebase for Android, web and PWA, real-time on Socket.IO, WebRTC audio calls, PostgreSQL. Author and sole developer of [ChatYadro](#), a social platform for local communities published on RuStore. Before engineering I ran my own company for 17 years: I ship projects to the result, talk to clients directly and own the product end to end. SEO is a separate competence.

EXPERIENCE

ChatYadro — author, full-stack developer

March 2026 — present

sntchat.ru · social platform for local communities: neighbourhoods, families, schools, workplaces

- **From the first commit to the app store, solo.** 88 screens, 22 community types with roles and modules (classifieds, calendar, fees, neighbours' help, calculators), a ranked feed, 7 games, 22 in-app courses. Published on RuStore on 16 Aug 2026; several communities use it daily.
- **Client:** Flutter 3.38 / Dart 3.10, one codebase for Android, web and PWA (Service Worker, Web Push, Wake Lock); a custom design system; a photo editor before sending; optimistic UI with socket echo.
- **Backend:** Node.js 20, Express 5, Socket.IO 4, PostgreSQL 15, JWT with refresh tokens, S3 storage, background ffmpeg workers, FCM and VAPID push. Nginx, PM2, Docker, encrypted backups.
- **1:1 WebRTC audio calls** with Socket.IO signalling, voice messages, chat with media, files, contact cards and polls (anonymity enforced server-side).
- **Media pipeline driven by measurements:** on-device compression and server transcoding to 720p: video library 630 → 204 MB, heaviest clip 48 → 4.6 MB, photo 3.8 MB → 729 KB.
- **Personal-data compliance (Russian 152-FZ):** versioned consents, a signature log with document hashes, registration as a data operator; auto-moderation with an audit log. The RuStore submission was rejected on a legal ground; I resolved it and passed review in 5 days.

Own company — owner and manager

17 years, until 2026

Samara · running the business, clients and projects

- Full cycle: clients, contractors, deadlines, budgets, responsibility for the outcome.
- Websites and SEO on the side; the move into engineering was deliberate, not from scratch.

SEO PROJECTS

- **cookai.ru** — a recipe site, 1,439 recipes. Content reworked for search intent, structure and technical optimisation: **72% of impressions on the first page** of results (Yandex Webmaster), zero errors reported.
- **kor-nil.ru** — this site: Eleventy, Lighthouse 100/100/100/100, Schema.org, Core Web Vitals.

ABOUT ME

- Curious about how things work since childhood; moved from hardware to code.
- I measure instead of guessing: media, ranking, SEO, always with before/after numbers.
- Happy to walk through my code in an interview; the site's repository is public.

STACK

Client

Flutter, Dart, PWA, WebRTC, Service Worker, HTML5 / CSS3 / JavaScript, Quill

Backend

Node.js, Express, Socket.IO, PostgreSQL, JWT, REST, ffmpeg, S3, Web Push, FCM

Infrastructure

Nginx, Docker, PM2, Linux, Let's Encrypt, rclone, Git / GitHub, rsync deploys

Updated: September 2026 · latest version at kor-nil.ru/en/about/