

Maksim Miliutin

FULL-STACK ENGINEER

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I build products end to end and keep them running. Bronyka Shop is a marketplace I designed, wrote and deployed alone — it serves real customers, and every incident on it is mine to fix. Beside it sit six more products and around 170,000 lines of TypeScript. I write tests for anything that touches someone’s money or their progress, and I would rather show “cannot compute” than a confident wrong number.

SELECTED WORK

Bronyka Shop — production e-commerce marketplace 2026 — present
NestJS · Prisma · PostgreSQL · Redis · React · Docker · nginx · Cloudflare R2

250+ registered users · 252 products listed · 70+ orders processed

- Sole engineer across the whole stack: schema, REST API, storefront, deployment and production upkeep.
- JWT authentication with access/refresh rotation, role-based access control, rate limiting.
- Real-time buyer–seller messaging over WebSockets, with an admin panel for live message routing.
- Mobile-first PWA with offline support, RU/EN internationalisation, SEO (sitemap, Open Graph).

Trellis — language-learning platform, in progress 2026
TypeScript · gRPC · Prisma · Expo · React Native · monorepo
97,494 lines · 358 files · 598 tests · six languages

- Grammar modelled as a dependency graph: a topic unlocks once its prerequisites are consolidated, and a mistake in an essay drops that topic back into review.
- Exercises expanded from templates ahead of time and filled only with words the learner already knows — an unfamiliar word turns a grammar check into a vocabulary check.
- Learning logic imports no framework: server, app and tests execute the same code, so no rule exists in three drifting copies.
- *Not shipped yet — logic and the seams between layers are covered by tests; the app has not been run end to end.*

Reste — French medical quote calculator github.com/maksim-miliutin/Reste
React Native · TypeScript strict · 67 tests · GitHub Actions

- Computes what a patient actually pays: an €800 crown returns €84, not €560, because cover is a share of a reimbursement base rather than of the price.
- Tariffs stored with validity periods and sources instead of constants — rates change, and hardcoded figures go stale silently while still returning answers.
- CI runs typecheck, lint and tests plus two custom checks: logic unreachable from the UI, and translation keys the screens ask for but no dictionary provides.

Also built

- **Veilla** — daily check-in calls for elderly parents living alone; monorepo, 103 tests passing.
- **Pasmurno** — journalling app that detects crisis language and surfaces local helplines; NestJS + Prisma + Expo, 8 locales with RTL, conversations encrypted on device.
- **Vydokh** — grounding and breathing exercises for panic; Supabase, Sentry, 7 locales.
- **Mira** — companion for the French official practitioner registry; Expo SDK 57, React 19.

TECHNICAL SKILLS

Languages	TypeScript, JavaScript, SQL, C#, C++
Backend	NestJS, Node.js, Prisma, PostgreSQL, Redis, gRPC, REST, WebSockets (Socket.IO), JWT
Frontend	React, React Native, Expo, Vite, TanStack Query, Zustand, i18next, PWA
Infra	Docker, Docker Compose, nginx, Cloudflare + R2, Supabase, Sentry, GitHub Actions, Ubuntu
Also	.NET (EF Core), Qt, libpqxx

EDUCATION

RTU MIREA — Russian Technological University
Computer Engineering — two years completed

LANGUAGES

Russian, Ukrainian — native
English — improving toward B2