

Anna Kryshnia

Full-Stack Developer - React / TypeScript / Python / FastAPI / PostgreSQL

Saint Petersburg, Russia | Ready for relocation

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PROFESSIONAL SUMMARY

Full-stack developer with professional experience building software products since 2023, both independently and as part of development teams. Core stack: React, Next.js, TypeScript, Python, FastAPI, Django REST Framework, and PostgreSQL.

I build web, mobile, and back-office systems end to end, from data models and REST APIs to user-facing and admin interfaces, integrations, background jobs, testing, and deployment. My strengths include complex frontend development, Python and Node.js backends, API design, PostgreSQL, automated testing, production readiness, and maintaining live services.

Comfortable owning products independently and contributing to established codebases through pull requests, code review, and well-defined API contracts.

KEY SKILLS

Frontend: React 18/19, Next.js 14-16, TypeScript, JavaScript, Redux Toolkit, Zustand, TanStack Query, React Hook Form, Zod, MUI, Chakra UI, Ant Design, Tailwind CSS, CSS Modules, Sass, Vite, Recharts, Leaflet, Framer Motion, responsive design, mobile-first development, Figma

Backend: Python, FastAPI, Django, Django REST Framework, Node.js 20, SQLAlchemy 2.0, Alembic, Pydantic, REST API, OpenAPI/Swagger, JWT, RBAC, object-level permissions, rate limiting, Redis, Celery, WebSockets, PDF/DOCX generation

Databases: PostgreSQL, MySQL, SQLite, Supabase, Drizzle ORM, schema design, migrations, RLS

Testing: pytest, Hypothesis (property-based testing), Vitest, Playwright, Testing Library, mypy, Ruff, pre-commit checks

Security: secure cookie sessions, HTTP security headers, audit logging, Ed25519, secure file uploads, security checks in CI

PROFESSIONAL EXPERIENCE

Mentelling Group LLC | Healthtech | May 2026 – September 2026

Mobile application, admin panel, landing page, and backend services

Stack: Flutter, Dart, Node.js 20, PostgreSQL, Supabase, Next.js, React, Vite, TypeScript, Docker, nginx

- Migrated the product from Supabase to a custom Node.js 20 and PostgreSQL backend to meet personal data residency requirements. The original Supabase architecture included 25 tables, 200+ SECURITY DEFINER RPC functions, row-level security (RLS), and private file storage.
- Built a new Node.js 20 and PostgreSQL API with a minimal dependency footprint, including a custom SQL migration runner with 36 migrations, phone-based authentication, database-backed login rate limiting, session management, admin access controls, audit logging, consent tracking, and user data deletion. Wrote 60 test modules using the built-in Node.js test runner.
- Built a standalone media service behind nginx with file storage, image normalisation, Ed25519 token verification, and per-owner access control.
- Developed a Flutter application with client, trainer, and manager roles, phone-based one-time password (OTP) login, weekly plans and tasks, chat, a photo diary, and educational content; shipped a signed Android release build.
- Built a Next.js admin panel with dashboards, client and subscription management, payment data, trainer management, bug reports, and subscription renewals.

Nexora / Gryadka | Feb 2026 – May 2026

Besedka – a community and messaging service for gardeners, built as part of the Gryadka product

Stack: Django REST Framework, PostgreSQL, Next.js, React, TypeScript, MUI

- Designed and implemented a Django REST Framework backend module with 8 models for posts, images, reactions, comments, conversations, private messages, and reports; implemented the API, admin tooling, status workflows, soft deletion, and database migrations.
- Implemented object-level permissions and wrote approximately 550 lines of Django tests covering access control, file uploads, and secure handling of user-generated content.
- Added secure image uploads with MIME-type validation, size limits, resizing, and Pillow-based re-encoding.
- Built the feed and post detail page in Next.js/React from Figma designs, including optimistic UI updates with rollback on API errors, localStorage drafts, and a BFF layer of 10 Next.js Route Handlers.

Multi+ | Dec 2025 – Mar 2026

Cross-platform enterprise messenger built with Flutter and Matrix

Stack: Flutter, Dart, Matrix, E2EE, localisation

- Contributed 144 commits across 28 tasks to a 433-commit codebase.
- Developed chat interfaces and behaviour, including messages, pinned messages, chat lists, file widgets, link previews, and message delivery and read states.
- Worked on end-to-end encryption (E2EE) flows, diagnostics, key backups, sign-in error handling, and ARB-based localisation.

Multi Ventures | Dec 2024 – Nov 2025

Venture studio back office and learning platform

Stack: React, TypeScript, Chakra UI, FastAPI, SQLAlchemy, Celery, Redis, Docker

- Built the learning platform frontend from scratch, including courses, modules, lessons with quizzes and progress tracking, assignments, startup documents, comments, user profiles, and an admin panel.
- Developed the venture platform back office, including dashboards and data-heavy workflows for candidates, founders, and companies, with filters, drawers, modals, forms, statistics, and investment workflows.
- Implemented real-time updates with a WebSocket client that reconnects automatically; co-developed the backend infrastructure for real-time events using FastAPI WebSockets and Redis Pub/Sub.
- Also contributed to the FastAPI backend, implementing webhooks, a PDF invoice service, and email notifications.
- Worked in a distributed team using pull requests and code review, with 140+ commits merged into the project.

Velades | 2024

Online candle store, <https://velades.ru/>

Stack: React, FastAPI, PostgreSQL, SQLAlchemy, Alembic, Redis, Celery, JWT,

ReportLab, Docker, nginx

- Designed and developed the platform end to end, including the product catalogue and detail pages, order management, photo reviews, user roles, admin workflows, and content management.
- Implemented the FastAPI/PostgreSQL backend with 13+ data models, approximately 20 public and admin API routers, JWT authentication, admin/user roles, and rate limiting.
- Configured Redis caching with invalidation on data changes, secure file uploads, PDF catalogue generation, and Celery tasks for email notifications.
- Set up the production stack with Gunicorn, nginx, database migrations, and database restore scripts.

INDEPENDENT PRODUCTS AND MVPs

QA Planner | Feb 2026 - May 2026

Test planning tool for manual QA engineers

Stack: FastAPI, PostgreSQL, SQLAlchemy, Alembic, React, TypeScript, Docker, GitHub Actions

<https://qa-planner.useful-dev.ru/>

- Built the React/TypeScript frontend and designed the FastAPI/PostgreSQL backend with 27 domain models and 25 Alembic migrations covering projects, knowledge bases, test plans, test cases, API checks, test runs, and traceability.
- Created a comprehensive automated test suite with 164 pytest modules for the backend and 140 Vitest test files for the frontend.
- Hardened the application for production by migrating authentication to secure, cookie-based sessions, adding HTTP security headers and database-backed login rate limiting, protecting the OpenAPI parser against malformed and malicious specifications, and introducing security contract tests.
- Implemented OpenAPI/Swagger import, API test generation, coverage gap reporting, traceability, and documentation export to Markdown and DOCX.

NDA Cycle Tracking PWA | Apr 2026 – Present

Menstrual cycle tracking service

Stack: Next.js, React, TypeScript, Supabase/PostgreSQL, Drizzle ORM, Zustand, Docker, nginx

- Contribute to product architecture, frontend development, and server-side features in Next.js.
- Wrote 67 unit and component test suites in Vitest; the project also uses end-to-end tests in Playwright.
- Set up Docker/nginx deployment on a VPS and automated builds and releases with GitHub Actions.

BIG | Mar 2026 – Apr 2026

Production planning engine

Stack: FastAPI, PostgreSQL, SQLAlchemy, Alembic, Pydantic, pytest, Hypothesis, mypy

- Built the backend using a hexagonal architecture, separating the domain, use cases, ports and adapters, and infrastructure layers.
- Tested the calculation engine with unit, integration, and property-based tests using pytest and Hypothesis, with mypy in strict mode.
- Implemented Excel import, hash-based deduplication, versioned reference data, and time-slot calculations with capacity constraints.

ADDITIONAL PROJECTS

MTS True Tech Hack 2026. Extended Open WebUI with Python, FastAPI, and Open WebUI Pipelines. Built a chat summarisation layer that preserves context across sessions and conversations.

Leaders of Digital Transformation 2025 - 3rd place. Developed most of the frontend for an analytics platform tracking cargo vehicles: React, TypeScript, Redux Toolkit, Recharts, Leaflet, PDF/Excel/CSV export, and backend API integration.

Word Battleship | Apr 2026 – May 2026. Flutter/Dart/Riverpod. Independently developed a mobile game and released it on RuStore:

<https://www.rustore.ru/catalog/app/ru.svartha.wordbattle>

EDUCATION

SkillFactory LLC, 2023-2024

Professional Retraining Diploma in Python Development

Baltic University of Foreign Languages and Intercultural Cooperation, 2004-2009

Specialist Degree in Translation and Interpreting, with honours

ADDITIONAL INFORMATION

English: C1.

Participated in SkillFactory hackathons, RSHB AgroHack 2024, contests organised by Ogon.ai and other team-based hackathons.