Alyona Kruchkova
Front-end Developer
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SUMMARY:

Front-end developer focused on building production-ready interfaces with modern TypeScript, JavaScript, React, and scalable architecture.

I create full-featured applications from scratch using Feature-Sliced Design, ensuring clear module boundaries, predictable data flow, and maintainability.

My experience includes authentication systems with refresh tokens, analytics dashboards, CRUD operations, reactive state management (Zustand), charts, interactive forms with validation, dynamic animations, and adaptive/responsive layouts.

I have strong attention to UI/UX quality, code readability, edge cases, testing, and architectural consistency.

I'm open to joining a team where I can contribute to everyday product work and keep developing my skills through real tasks.

SKILLS:

Programming Languages: TypeScript (with generics), JavaScript (ES6+, Vanilla JS)
Frameworks & Libraries: React (functional components, hooks), Zustand, Zod, React Router, Recharts, SCSS, GSAP, Framer Motion, Axios
Architectures & Patterns: Feature-Sliced Design (FSD), modular architecture, REST API integration, JWT auth + refresh
Tools & Environment: Vite, Node.js, Git, Prettier, ESLint, Jest + RTL, Playwright, CI/CD (GitHub Actions), Vercel deployment
Backend (mock / custom): JSON-server, json-server-auth, bcrypt, token refresh logic, localStorage persistence
Other: Responsive/adaptive layouts, BEM, forms & validation, reusable UI components, state management patterns
Languages: English (upper-intermediate), Spanish (intermediate), Russian (native)

PROJECT EXPERIENCE

Freelance / Personal Projects (April 2024 – present time)   Russia
Selected projects demonstrating frontend and full-stack development, modular architecture, state management, interactive UI, and responsive layouts.

Interactive Portfolio – Personal Website / SPA
Stack: React 19, TypeScript, GSAP, Framer Motion, i18n, EmailJS, Jest + RTL, Playwright, Vite, SCSS/CSS Modules
Vercel: [Link] | GitHub: [Link]
Project Overview:
Modern, interactive portfolio showcasing UI architecture, animations, and professional projects. Fully responsive with multilingual support.
Key Contributions:
- Component-driven and modular architecture (Feature-Sliced Design)
- Reusable UI blocks: buttons, cards, modals, grids
- Scroll- and state-driven animations (GSAP, Framer Motion)
- Contact form with EmailJS, validation, and result modal
- Resume download in three languages
- Fully covered by unit, integration, and E2E tests

FinTrack Demo / Full-Stack – Personal Finance SPA
Stack: React 19, TypeScript, Zustand, Node.js, JSON-server-auth, Recharts, Framer Motion, Vite
Demo: [Link] | GitHub: [Link]
Full-stack (start backend locally via `npm run dev`*):* [Link] | GitHub: [Link]
Screen Recording: [Link]

Project Overview:
Full-featured SPA for personal finance tracking with modular architecture, secure authentication, analytics, and CRUD operations.
Demo version uses localStorage to showcase frontend functionality without backend setup.

Frontend Contributions:
- Modular architecture (FSD) with reusable UI components and state management (Zustand + Axios)
- Secure authentication: login, register, demo auto-login, token refresh, logout
- CRUD functionality, soft-delete, filters, sorting, analytics, and interactive charts (Recharts)
- Animations and page transitions with Framer Motion, SCSS, custom keyframes
- Testing: unit, integration, snapshot, store logic, routing, page loading (Jest + RTL)

Backend Contributions:
- Custom server with json-server + json-server-auth, JWT auth, soft delete, filters
- Fully-typed data structure, REST API with CRUD & edge-case handling
- CI/CD: GitHub Actions (lint, test, build) and automated deployment on Vercel

Demo Version (Frontend-only):
- Demonstrates SPA functionality with localStorage persistence: transactions, categories, charts, filters, forms, modals, routing, and protected routes.

Briaton Catalog – E-commerce Dynamic Catalog

Stack: Vanilla JavaScript, SCSS
GitHub Pages: [Link] | *GitHub:* [Link]

Contributions:
- Created dynamic product catalog with DOM manipulation and JSON-based data rendering.
- Built filtering, sorting, pagination, and shopping cart functionality.
- Implemented interactive UI components: accordion FAQ, tooltips (Tippy.js), sliders (Swiper.js), and form validation (JustValidate).
- Organized project into modules: /components, /utils, /modules for maintainable and scalable code.

Pawtastic – Pet Shop Landing Page

Stack: HTML5, SCSS, BEM
GitHub Pages: [Link] | *GitHub:* [Link]

Contributions:
- Developed fully adaptive Pixel Perfect layout according to design specifications.
- Built semantic, accessible UI using proper ARIA roles, focus states, and interactive zones.
- Structured SCSS with BEM methodology and modular architecture for maintainability.
- Implemented animations and hover effects for dynamic logo and UI elements.
- Optimized performance: lazy-loaded images, preloaded fonts, retina assets; achieved Lighthouse (100%)

EDUCATION

Moscow State University of Design and Technology Moscow, Russia
(now: A. N. Kosygin Russian State University) Sep 2008 – Jul 2013
Specialist Degree in Fashion Design

CERTIFICATION/COURSES/LICENSES

- **CS50: Introduction to Computer Science (HarvardX, edX)** – 2021, refreshed 2025 (HTML, CSS, JavaScript; ongoing topics: AI, Arrays, Algorithms, Memory, Data Structures)
- **Frontend Developer Professional Program (Skillbox)** – 2024-2025