Ekaterina Ryazanova

Frontend Developer

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Overview

Frontend developer with commercial experience building React and Next.js applications. Focused on maintainable UI architecture, performance optimization, and robust authenticated user flows.

Education

ITMO University, BS in Computer Technologies   Sept 2022 – present
Frontend Development Advanced Course; Web Development; Algorithms and Data Structures; JavaScript Course.

Experience

Frontend Developer, EXPLYT, VEAI   Apr 2025 – present
Worked on frontend development for a commercial AI-powered IDE plugin, covering both SEO-oriented marketing websites and authenticated user interfaces.

- **Built and maintained internationalized marketing websites** (~7 pages each) using React and Next.js with SSR/ SSG, translating Figma designs into a reusable component architecture and improving Lighthouse metrics.
- **Improved frontend performance and load times** by removing redundant JavaScript chunks, reducing unnecessary network requests, introducing caching strategies, and optimizing media delivery (compression, mobile variants, preload).
- **Developed authenticated user interfaces** with region- and language-dependent business logic, integrating backend APIs and Keycloak-based authentication, with robust loading and error state handling.

Frontend Course Mentor, ITMO University   Sept 2025 – present
Mentored undergraduate students in frontend development, focusing on layout correctness, JavaScript fundamentals, and practical engineering skills.

- **Reviewed and assessed student frontend assignments at scale**, providing structured feedback on semantic HTML, CSS organization, layout accuracy, and JavaScript logic.
- Designed a pixel-perfect layout assignment **with automated visual tests.**

Projects

React Course Platform ⤤

Educational web platform for hosting React courses with hierarchical structure (courses, modules, lectures).

- **Designed a reusable React component architecture** to support consistent UI patterns across course, module, and lecture pages.
- **Implemented typed data access with backend emulation**, enabling predictable state management and independent frontend development.

Project Management System ⤤

Frontend application for managing projects and tasks using board-based workflows.

- **Built a board-based task management UI** with status-driven columns and smooth client-side navigation.
- **Implemented drag-and-drop task flows and asynchronous data handling**, including search, filtering, and robust error states.

Skills

Frontend: HTML5, CSS3, JavaScript (ES6+), React, Next.js (SSR/SSG), TypeScript

Layout & UI: Material UI, responsive design, accessibility

Tools: Git, npm, Figma, DevTools