

Alena Katkova

Full Stack Developer

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- A Software Engineering graduate with a Bachelor's degree.
- Passionate about developing software that solves business problems and offers a seamless and engaging user experience.
- I have a degree in PR and worked in marketing, where I gained experience in teamwork and collaboration.
- Home page with my projects: <https://alenakatkova.github.io/>

SKILLS

Frontend: JavaScript, TypeScript, CSS, HTML, React, Next.js, Bootstrap, MUI, Tailwind, styled-components, BEM

Backend: Node.js, Express.js, PostgreSQL, MySQL, Sequelize, MongoDB, mongoose, Redis, basics of Java and C#

Tools: Git, Webpack, Gulp, Docker, MkDocs

Languages: English (C1), French (B1), German (A1), Russian (native)

EXPERIENCE

DKFproject | Aug 2022 — Present | *Software Engineer*

As a Full Stack Developer, I am creating the project management web application for an architectural bureau. This tool is designed to be used by both bureau's managers and clients' representatives to facilitate the process of exchanging documents and information regarding the projects. My results in this role:

- Interviewed project managers to understand end-user needs, design the app and define development strategy.
- Designed and developed the user friendly interface on Material UI, optimized for all user roles.
- Designed and developed an iterative document approval feature that allows project managers and clients to actively participate in a collaborative approval process. This feature simplifies the revision process, providing a dedicated page for each document where the related revision history is transparently tracked and displayed.
- Built the backend using Express.js, MySQL and Sequelize. Developed a session-based authentication system with sessions stored in Redis.
- Implemented the Yandex.Disk REST API for secure, efficient file storage and retrieval.

EDUCATION

Chelyabinsk State University | 2018 — 2023

Bachelor of Software Engineering

Moscow State University | 2008 — 2013

Bachelor of Public Relations

COURSES

- Node.js — Loft School
- React & styled-components — Rodionov bootcamp
- Advanced HTML, CSS, JavaScript — HTML Academy

PET PROJECTS

Essays — *Docker, React, MongoDB, mongoose, Express* | <https://github.com/alenakatkova/essays>

Driven by my interest in language learning, I developed a web app that allows language learners to practice and enhance their essay writing skills. While developing this web app I:

- Implemented an API integration with Wikipedia to generate diverse essays topics for users.
- Added a timed writing feature and a word count to simulate exam conditions.
- Integrated MongoDB to allow users to save their essays.
- Implemented a feed and a comment section, encouraging peer feedback and interaction.

Document flow — *Next.js, TS, PostgreSQL, Express* | <https://github.com/alenakatkova/document-flow>

I developed a document management tool to address document flow challenges faced by my colleagues and me back when I worked in marketing. This tool is suitable for a company dealing with a wide range of contractors, which often results in handling a high volume of documents. UI is built on React.

- Developed a feature for generating dynamic task lists based on document statuses.
- Constructed a database model for efficient data management and storing contractors and documents data.

Teddy Bear Store — *CSS, SASS, Gulp, Vanilla JS, BEM* | <https://github.com/alenakatkova/mishka-en>

Taking a given design, I used my knowledge of HTML and CSS to shape a pixel-perfect responsive HTML layout for Teddy Bear Store. In order to maintain clean and scalable code, I adhered to the BEM methodology and utilized SASS.