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## ALEXANDR KABANAU

### SUMMARY

I'm an enthusiastic and detail-oriented Engineer seeking an entry-level JavaScript/Frontend Developer position with Company to use my skills in coding, troubleshooting complex problems, and assisting in the timely completion of projects.

### SKILLS

Responsive Web, HTML, CSS (SASS/SCSS), JavaScript, TypeScript, React, Redux, Axios, RTK, Three.js, Webpack, Jest

### SOFTWARE DEVELOPMENT EXPERIENCE

**09/2023 - 11/2024** - Fullstack Developer

**Customer:** NextPizza (Self-Development)

**Description:** A full-fledged online store. A real copy of Dodo Pizza.

**Git Repo:** <https://github.com/AlexKabanau/NextPizza>

**Deploy:** <https://next-pizza-coral.vercel.app/>

#### **Responsibilities:**

TailwindCSS, ShadCN, Lucide icons for styles and layout

Full filtering and product search with server rendering and storing parameters in URI

Intersection Observer for category highlighting

Use zustand like a state management

Use Prisma (. One-to-One, One-to-Many, Many-to-One, Many-to-Many) for backend logic, API for ingredients, API for products

Product output, adding products to cart

Authorization and registration using login-password / GitHub / Google

Use resend for Account confirmation via email

Use react-hot-toast for notification

Profile editing  
Purchase of products using Yookassa  
Product output in a modal window or on a separate page (Parallel Routes)  
Sending emails to email upon: registration, order creation and after successful payment  
Vercel for storing database data and deployment applications  
Use react-insta-stories to render Stories  
**Tools and Technologies:** NextJS, TypeScript, Prisma, axios, nextAuth, react-use, zustand, hookForm, bycript, qs, react-dadata, hot-toast, react-insta-stories, tailwind, ShadCN, lucidIcon, zod.

## **08/2023 - 02/2024** - Frontend Developer

**Customer:** NostrBet

**Description:** Part of NOSTR network (a decentralization social network), app for creation disputes with bet (e.g. Who will win Champions League 2024), with the ability to create, view, participate or close (croupier role) disputes.

**Deploy:** <https://bet.nostrapps.org/#/login>

### **Responsibilities:**

- Implementing semantic Responsive Web markup using Bootstrap, CSS Modules (Flexbox, CSS Grid)
- Creating UI Components ( Disputes, DisputeComments, DisputeAnswers, ContacsList, modals), reducers, pages (CreateDet page, Dispute page)
- Implementing Form validation and submission (React Hook Form, useForm, Controller, React-Select)
- Implementing functionality for authorized data retrieve using WebSocket and Nostr Dev Kit
- Implementing data storage by using Redux, localStorage
- Maintaining code quality participating Code Review and using tools (ESLint, Prettier)

**Tools and Technologies:** React, Bootstrap, Lodash, React-bootstrap, React-bottom-scroll-listener, React-dom, React-hook-form, React-icons, React-redux, React-router-dom, React-select, nostr-dev-kit/ndk, RTK, localStorage, nostr-tools, websocket, Webpack, ESLint, Prettier, Git, HTML, SCSS/ SASS, JavaScript

## **02/2024 - Present** - Frontend Developer

**Customer:** ToDoList (Self-Development)

**Description:** Simple ToDoList, analog of Trello.

**Git Repo:** <https://github.com/AlexKabanau/todolist>

**Deploy:** <https://todolistbyalexkabanau.netlify.app/>

### **Responsibilities:**

- Preparing project structure and configuring tools for development (linters, unit-testing, building)
- Covering TypeScript logic with Unit Tests using Jest
- Implementing semantic Responsive Web markup using MUI
- Integrating RTK for application data management (tasks, todoLists)
- Implementation modification tasks/lists (change filter, change status, change title, delete task/ todoLists)

**Tools and Technologies:** React, RTK, TypeScript, MUI, React-dom, React-redux, Webpack, ESLint, Prettier, Jest, HTML, SCSS, Git

## 02/2023 - 03/2023 - Fullstack Developer

**Customer:** RollingScopesSchool 2023 Final Project (Education)

**Description:** Amazing Trip

SPA for online travelling used 3D graphic, Bootstrap, SpeechRecognition, Map API, authorization, with ability to comment visited country.

Work with teammates: Elena Iakovenko, Tatyana Shipulina

**Deploy:** <https://alexkabanau.github.io/rsclone/>

**Git Repo:** <https://github.com/AlexKabanau/rsclone>

<https://github.com/AlexKabanau/backend-rs-clone>

### **Responsibilities:**

- Using Three.js for 3D Graphics (creation of 3D objects with complex internal/external textures by applying "layers")
- Implementation of the ability to 'manage' an object by using CameraControl;
- Implementation of 'clicking' on object by using RayCaster;
- Implementation of a dark/light theme

**Tools and Technologies:** HTML, SCSS, JavaScript, TypeScript, Canvas, Three.js, Audio API, Semantic markup, Webpack, Bootstrap, Nouislider, ESLint, Prettier, Node.js, Express, Axios, Git

## 09/2023 - 02/2024 - Frontend Developer

**Customer:** React Pizza (Self-Development)

**Description:** SPA Online pizza store

**Git Repo:** [https://github.com/AlexKabanau/ReactPizza/tree/master/react\\_pizza](https://github.com/AlexKabanau/ReactPizza/tree/master/react_pizza)

**Deploy:** [https://alexkabanau.github.io/ReactPizza/react\\_pizza/](https://alexkabanau.github.io/ReactPizza/react_pizza/)

### **Responsibilities:**

- Integrating RTK for application data management, create action/reducers/slices
- Using createAsyncThunk for error catching;
- Implementing application routing and navigation using React Router
- Facilitating interaction with backend for data retrieval using Axios and Fetch
- Implementing Lazy Loading to improve application performance using React Loadable
- Implementation sort, filter, pagination, create sortParams for URL
- Using skeleton for slow speed connection
- Implementation of loading optimization by using React.memo and useCallback
- Implementation of reRender optimization by using Outlet

**Tools and Technologies:** React, TypeScript, RTK, Axios + Fetch, React Hooks, Prettier, CSS-Modules / SCSS, React Content Loader, React Pagination, Lodash.Debounce, Code Splitting, React Loadable, useWhyDidYouUpdate, Webpack, ESLint

## 04/2023 - 08/2023 - Frontend Developer

**Customer:** Way of the samurai (Self-Development)

**Description:** SPA, social network with authorization, educational project with a focus on the architecture project BLL <-> UI <-> DAL (for example, creating our own redux, connect)

**Git Repo:** <https://github.com/AlexKabanau/Way-of-the-Samurai>

**Deploy:** <https://alexkabanau.github.io/Way-of-the-Samurai/>

**Responsibilities:**

- Preparing project structure and configuring tools for development (linters, unit-testing, building)
- Implementing application routing and navigation using React Router (main page, user page, dialogs page)
- Using css-componets and AntDesign for styles
- Using preloader for slow speed connection
- Realization of FLUX for inputs and text-fields
- Integrating Redux for application data management, create actions/reducers/slices, dispatch
- Covering JavaScript logic with Unit Tests using Jest
- Implementing Lazy Loading to improve application performance using React Loadable
- Using container components for logic layer and pure function-components for render
- Using RESTful API for backend request
- Use WebSocket for Chat
- Implementation sort, filter, pagination, create sortParams for URL
- Implementation of user authorization
- Implementation of loading optimization by using React.memo and useCallback

**Tools and Technologies:** React, TypeScript, Axios, WebSocket, Classnames, AntDesign, Formik, react-dom, react-redux, react-router-dom, redux, redux-form, redux-thunk, reselect, Webpack, ESLint, Prettier, Jest

## WORK EXPERIENCE

**2011 - Present** - Head of design bureau of excavators and backhoe loaders

**Customer:** JSC "AMKODOR" - holding managing company

**Description:** Developing complex 3-D structures in heavy engineering. Experience in creating hydraulic excavators including general layout, metal construction, and working equipment. Performed kinematic and force analysis of stress-strain states. Supervised work on the creation of related systems (hydraulic system, electrical system, cabin and cladding, engine system), and selected components. Participated in the manufacture, testing, and development of machines, and conducted failure analysis. Worked in the modern CAD/CAM/CAE system NX (UGS). Gained experience in creating and analyzing complex articulated lever systems.

**Responsibilities:**

- Planning work processes - defining and setting product goals
- Evaluating progress
- Organizing work execution (design, manufacturing)
- Inspecting and participating in product testing/verification
- Organizing work to eliminate nonconformities/defects
- Taking corrective action

**Tools and Technologies:** Unigraphics NX, ACAD, Kompas, ANSYS Workbench

## QUALIFICATION

BELARUSIAN NATIONAL TECHNICAL UNIVERSITY

Faculty of Transport Communications, Department of Construction and Road Machinery, Postgraduate, 2017

BELARUSIAN NATIONAL TECHNICAL UNIVERSITY

Faculty of Transport Communications, Department of Construction and Road Machinery, Master's degree, 2013

## SELF-STUDY

- RollingScopesSchool Graduate, 2023
- <https://learn.javascript.ru/>
- <https://htmlacademy.ru/> (basic course, advanced course, preprocessors)
- YouTube courses (Archakov Blog, IT-Kamasutra)

## LANGUAGES

- Belarus (native)
- Russian (native)
- English (Upper-Intermediate B2) Streamline
- Deutsch (Mittelstufe B1.1) Streamline