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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

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

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 comples 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

Deploy: https://alexkabanau.github.io/ReactPizza/react_pizza/

Responsibilities:

- Integrating RTK for application data management, create action/reducers/slices
- Using createAsincThunk 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 sortParamas 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 AntDisign 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 sortParamas 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

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