


Alex Troshin

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Summary

I'm Alexey Troshin, a senior software engineer with expertise in web development and a passion for building robust and scalable software solutions. I enjoy diving into code and exploring the newest front-end technologies to create modern and user-friendly web applications.

Over the years, I've had the opportunity to work on various projects, including data analysis and predictive modeling platforms, real estate, advertising, hotel business, translations. I'm always looking for new and exciting opportunities to learn and grow as a developer.

Apart from programming, I love cooking, travelling, playing video games and table tennis. I believe that a good work-life balance is key to staying motivated and productive in my work.

Thanks to the projects I took part in, I acquired enough confidence and experience in developing maintainable software with clean architecture. It also enhanced my skills in being a team player, problem solver and a faster learner. Moreover, having a mentor and once being one for junior devs also had great impact on me as an individual and improved communication skills.

Main skills:

- Solid JS, CSS, HTML knowledge;
- Sticking to SOLID, DRY, KISS principles to keep code base clean, maintainable and simple;
- React, Vue.js 2.x, Vue.js 3.x (Composition API), Nuxt.js 2.x;
- Redux (React) / Zustand / Vuex (Vue) for state management, redux-observables;
- Webpack (loaders and setting up custom configs), Vite;
- TypeScript;
- SCSS, LESS, BEM, CSS Modules, TailwindCSS;
- Pug, Handlebars;
- Unit Testing (Jest) and e2e testing with Cypress;

In addition to these, tools I am familiar with and can use are: Docker, Node.js (writing utilities for pet projects mainly, understanding of Nest.js), Vuetify, Bootstrap.

Project management software used: Jira, Active Collab.

Experience



Software Engineer

PwC

May 2022 - Present (1 year 2 months)

Being part of the AI&DA (Artificial Intelligence and Data Analysis) branch, which specializes in creating innovative software solutions for the clients, I had the privilege of being heavily involved in the development of various projects with React, Redux (redux-thunk or redux-observables) and Typescript on the frontend and Python or Node.js (Nest.js) on the backend.

One of them was a close to legacy project that required a modernization effort.

The responsibilities included:

- migrating the codebase from class-based components to functional components using hooks;
- integrating Redux Toolkit for state management;
- developing a project management and planning module using the DHTMLX Gantt library;
- developing a flow-chart module using React-Flow;

The next project I was assigned to was an ERP (Enterprise Resource Planning) software for the oil industry. In addition to the main stack, it used a micro-frontend approach with shared libraries for components and shared utilities.

The key tasks were:

- taking a leadership role in developing an interactive strategy tree module, which involved implementing a robust algorithm for positioning the tree nodes and creating a visually appealing display with various controls and modes leveraging React-Flow. Additionally, I integrated an overview mini-map within the scrollbar for enhanced navigation;
- developing a drag-and-drop interface module that served as a no-code solution for creating logic flows with React-Flow and the power of WebSockets to ensure real-time communication and seamless functionality;
- enhancing TypeScript typing throughout the project, maintaining a UI library and extracting shared modules that were utilised across the project to keep everything DRY and improve maintainability;
- conducting thorough refactoring and performing code reviews to ensure code quality;



Software Engineer

Idaproject

Jun 2020 - May 2022 (2 years)

I worked on multiple projects in real estate and accounting sectors, developing and maintaining projects, conducting code reviews, and mentoring junior developers. The team used ActiveCollab for project management and Nuxt.js with SSR (Server-Side Rendering) for frontend development and Python with Django for the backend.

Key highlights during my time in the company:

- Developing a complex flat configurator. I came to an idea to create a Vuex module that could be easily reused as a plug-in solution. It required careful consideration of the architecture and implementation to ensure its flexibility and compatibility with different projects. It was a complex task that pushed me to think creatively and strategically, and I'm proud of the final result;
- Working on a project that involved developing a simple Learning Management System (LMS). This experience provided me with valuable insights into working with iframes and understanding how to effectively communicate with them and inject custom styles;
- Becoming part of the company's charity initiative to develop a new website for a social hotel catering to children with cancer. I played a crucial role in laying the foundation for the project and made significant contributions throughout its development. It was a fulfilling opportunity to contribute to a meaningful cause and utilise my skills for the benefit of others.



Javascript Developer

LuckyAds

Sep 2019 - Jun 2020 (10 months)

LuckyAds is a native advertising platform that offers a comprehensive range of technical capabilities for Advertisers and Advertising Agencies to effectively place their advertisements.

In our development process, we used:

- Jira for project management;
- HTML, CSS, and JavaScript for frontend development;

Key highlights during my time in the company:

- developed and delivered impactful landing pages for agency clients while maintaining existing ones;
- implemented a shared template integrated with Webpack bundler, resulting in accelerated development, improved developer experience, and enhanced overall quality of the end product;
- optimized developers' workflow by creating a Node.js script for automated translation of static HTML pages, saving significant manual effort;
- developed a lightweight library for generating dynamic navigation menus based on page content, utilizing the Intersection Observer API for seamless navigation within the intra-company handbook;



Frontend Engineer

Ligva

Oct 2018 - Aug 2019 (11 months)

I was thrilled to receive a recommendation for a frontend position at Ligva, an exciting startup that focused on creating a platform for affordable, speedy, and secure text translations.

When I became part of the team, the project was already in progress. The frontend was being built with Nuxt.js, the backend leveraged Laravel and Node.js. My role involved a wide range of responsibilities which included:

- developing a chat module with WebSockets to facilitate seamless communication with clients;
- migrating the app to TailwindCSS for improved styling consistency;
- ensuring that the app was fully responsive and accessible on various devices;
- creating visually appealing landing pages and emails;

Despite our team's combined efforts and the app's promising prospects, unfortunate obstacles such as funding limitations and fierce competition ultimately resulted in the project being discontinued soon after its launch.



Frontend Engineer

Freelance

Feb 2018 - Sep 2018 (8 months)

Freelance developer, actively working on personal projects and taking on small assignments.

One of the most significant projects I had the opportunity to work on was the development of a website for a local hotel:

- managing all aspects from client communication to design, development, and final delivery;
- frontend with Nuxt.js, PHP for booking form, Figma for the design;
- using various optimisation techniques to improve loading times;
- integrating reCAPTCHA for security from spam and abusive activities;
- deployment automation with bash;

Education



V. N. Karazin Kharkiv National University

Bachelor's degree, English Language and Literature, General

Sep 2015 - Jun 2019

Licenses & Certifications



IELTS Band 8 (C1) - IELTS Official

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Skills

SOLID Design Principles • DRY • KISS • React.js • Vue.js • TypeScript • Redux.js • Webpack •
WebSocket • GraphQL