Slava Arapov

Senior Frontend Developer · Vue.js / TypeScript

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I've been developing web applications since 2014, including educational platforms, authoring tools, and editors. I design frontend architecture, coordinate developers, and help define requirements and APIs.

Skills

- **Languages and frameworks:** JavaScript, TypeScript, Vue.js, Nuxt
- **State management and UI:** Pinia, Vuex, Element Plus, Vuetify, BootstrapVue
- **Tooling and testing:** Vite, Webpack, ESLint, Jest, Vitest, Storybook, VuePress
- **Web development:** REST API, WebSocket, i18n, Git, GitFlow, CI/CD, responsive and cross-browser layouts, Figma
- **Practices:** Agile, Scrum, code review, requirements, refactoring, optimization, deployment
- **English:** Upper intermediate

Work Experience and Projects

Senior Web Application Developer, 42 LLC

Apr 2023 — Present

42 builds products for education, healthcare, and government. On a team of 10, I build educational web apps from requirements and design through integration and deployment.

Lab Workbook Builder

Vue 3, TypeScript, Pinia, Vite, Element Plus, Vitest, Storybook

I lead a three-person frontend team. We build an application where content editors create and translate lab exercises and students complete interactive tasks.

- Designed the frontend architecture and independently built most of the authoring tool. Implemented version comparison and translation editing, and made it easier to add new task types.
- Coordinated two frontend developers, assigned tasks, reviewed code, made technical decisions, and verified their work.
- Refined the specification and business requirements with the analyst and agreed on the API with the backend developer. Analyzed the legacy backend and existing admin panel to integrate with both.
- Introduced architecture decision records (ADRs) and added unit tests to the project.
- Used AI agents for development and code review. Documented the project and its business logic to support new practices.

VR-Labs Virtual Laboratory Store

Vue.js, Element Plus, Pinia, Vue-i18n, Husky

An online store serving organizations and individual customers.

- Built the storefront, customer accounts, and admin interfaces, including marketing tools.
- Improved localization for a portal supporting 10 languages, including right-to-left (RTL) languages. Implemented language-specific URLs and switching without a page reload on the landing site.
- Adapted interfaces for mobile devices and helped refine requirements.
- Used linting to bring the project in line with company coding standards.

Interactive Digital Textbook

Vue 2, Nuxt 2, BootstrapVue, Vuex, Webpack, SSO, TinyMCE

At the Moscow Electronic School (MES), editors create digital textbooks that preserve the print layout, and students read them and complete embedded assignments.

- Developed the reader interface, including pages, navigation, search, an audio player, notes, and bookmarks.
- Integrated the textbook with the electronic school diary and other MES services, and enabled interactive assessments to be embedded in textbook pages.
- Developed page editor plugins for text, graphics, audio, video, and 3D models.

“Visual Formula Editor” JavaScript Library

TypeScript, SVG, Nx monorepo

A library for creating and editing mathematical formulas with SVG and LaTeX export. Used by MES, it is an enhanced alternative to Wiris MathType tailored to the Russian market.

- Helped define requirements for the editor.
- Developed groups of symbols and operators, implemented input for complex formula structures, and improved typography.
- Aligned formula representation with LaTeX standards.

Web Developer, Voronezh State Technical University

Apr 2017 — Mar 2023

VSTU is an engineering and technology university with 20,000+ students and 2,500+ employees.

- Built Active Directory Tools (Vue 3, Element Plus, Laravel, Keycloak SSO) to find and create accounts, manage passwords, and manage AD/LDAP user and computer groups.
- Built 50+ complex components, added 6 languages, and set up 15 subsites for the university website on 1C-Bitrix. Helped redesign the site.
- Adapted the account portal built with Yii and Vue to the university's workflows and contributed to its integration with 1C.

Full-Stack Developer, Independent Contractor

Jul 2014 — Jul 2022

Built websites and web apps independently and in teams. Wrote specs, estimates, and guides, deployed systems, set up CI/CD, and trained staff. Selected projects built from scratch follow.

CRM for Resonance Sports School

Vue.js 2, Vuex, Bootstrap, Leaflet API, Yii2

Built a CRM to manage clients, payments, schedules, and attendance. Automated workflows for 20+ coaches, 70 teams, and school administrators.

Treelink IT Solutions for Schools

Vue.js, SVG, QR, Webpack, Laravel, Docker

Built a content management service for interactive displays and photo albums used by 120 schools in Russia, Kazakhstan, and Kyrgyzstan. Added print-ready layout export with QR codes, which sped up production.

“My Jinn” Wish Fulfillment Social Network

Yii2, Open Graph, D3.js

Built a wish fulfillment social network for 8,000+ members with Telegram Bot, QIWI, and SMS Aero integrations.

Education

Voronezh State University of Architecture and Civil Engineering

2014–2016 — Information Systems and Technologies, GPA 5/5.

2009–2014 — Applied Computer Science in Economics, BSc-equivalent degree, GPA 5/5.