

Nikita Zolkin

Senior Frontend Developer

Phone: +7 950 608-91-38
Email: info@zolkin.me
Telegram: t.me/kah3vich
Portfolio: zolkin.me
GitHub: github.com/kah3vich
LinkedIn: linkedin.com/in/kah3vich

PROFESSIONAL PROFILE

Senior frontend/fullstack developer with 6+ years of experience building high-load web applications, internal platforms, 3D interfaces, and developer tools.

I specialize in interface architecture, maintainable code, performance, and the development of complex enterprise products. I have worked in teams ranging from 1 to 14 frontend developers and collaborated with backend engineers, QA, analysts, designers, and architects.

KEY COMPETENCIES

Frontend: TypeScript, JavaScript, React, Next.js, Remix, Vue, HTML, CSS, Tailwind, ShadCN, Mantine, MUI, Ant Design.

Architecture and data: FSD, Module Federation, Single-Spa, micro-frontends, GraphQL, REST API, gRPC, WebSocket, Socket.IO, monorepositories.

Visualization and performance: Three.js, R3F, PixiJS, GSAP, Framer Motion, WebGL, D3, virtualization, Core Web Vitals.

Backend, DevOps, and quality: Node.js, Python, PHP, Docker, PostgreSQL, MongoDB, Redis, Jest, Cypress, Playwright, Storybook, GitLab CI/CD.

WORK EXPERIENCE

Uspect

Frontend Developer (Senior) · March 2025 - present

- Built a tree table for logistics analytics with customizable columns and reduced its load time from 30s to 1.5s. I implemented it on **React**, **TypeScript**, and **DND-Kit**, migrated state from **Redux Toolkit** to **MobX**, and added registries for data exchange via **GraphQL** with an **Apollo Client** integration.
- Rewrote a UI kit in a large cross-functional team, unified the stack, and reduced bundle size by 60%. The work simplified further interface development and reduced legacy dependency overhead. I migrated micro-frontends on **Ionic** and **Vue** into a unified stack on **React**, **TypeScript**, **Module Federation**, and **Single-Spa**, implemented chats and notifications via **WebSocket**, and worked in a team of 14 frontend, 4 backend, 4 QA, 1 PM, 2 BA, 2 SA.
- Built **VS Code** extensions for data analysis with **Copilot** and **AI** integration to move core workflows closer to developers. I implemented **MCP** servers on **Python**, **FastMCP** with **LLM** connectivity, integrated **OpenAPI** for internal service communication, and built the frontend on **React**, **Tailwind**.
- Built an exchange dashboard with navigation, charting, and a world map, while laying a foundation for product scaling through modular architecture. I built the interface on **React**, **TypeScript**, and **Nanostores**, created a **monorepo**, added candlestick charts on **D3** and **Highcharts**, integrated **Yandex Maps**, ensured localization via **i18n**, and handled requests via **SWR**, **Axios**.
- Built a large-scale 3D scene for an interactive platform with section-based navigation and **AI** chats. I implemented it on **Next.js**, **TypeScript**, and **Three.js**, added post-processing via **bloom** and **DOF**, applied mathematical interpolation with **Maath**, integrated **OpenAI** and **OpenAPI**, and used **TanStack Query** for requests and **GSAP** for animations.
- Built an internal HR tool for a large team to manage candidate data, meetings, and interviews. The product included a dashboard, news, calendar notes, and an interactive map for interview locations. I built it on **TypeScript**, **React**, and **MUI**, and integrated data via **Axios** with caching and request optimization.
- Created a series of optimized games under 600KB running at 60fps. I built them on **TypeScript** and **Pixi.js**, applied game dev patterns including hitboxes, material atlases, and Bitmap font, and created utilities for atlas optimization and assembly.

- Built a promo landing page for an internal company event with 3D scenes and lead collection. I built it on **Next.js**, **TypeScript** with **SSR** and caching, implemented scenes with **Three.js**, **GSAP**, and **Framer Motion**, added a sequence pattern for optimized animation and media loading, and integrated a **REST API**.

Frontend Developer (Middle) · June 2022 - March 2025

- Built a cryptocurrency platform with a multi-role model for admins, moderators, and users, including settings, chats, and crypto device purchase flows. I built the frontend on **TypeScript**, **Remix**, integrated backend services via **gRPC**, **Protocol Buffers**, and **Web3.js**, used **Zod** for validation, and used **Stitches** and **Styled-Components** for styling.
- Modernized a dataset collection project for **LLM** model training that handled 100+ datasets with up to 100K records each. I upgraded the legacy codebase and improved interactive loading and image processing workflows. I rewrote it on **TypeScript**, **React**, implemented interactive loading via **Socket.IO**, added a **Canvas** factory, and built the UI on **Ant Design**.
- Built a corporate system for analysis, rental, and product accounting with a user profile and multi-step data entry flows. I implemented it on **Next.js**, **TypeScript** with forms via **React Hook Form** and **Yup**.
- Built a VK Miniapp with ~1M monthly users, including a profile, interactive chat, role-based model, and reusable components. I built it on **TypeScript**, **React**, and **Effector**, implemented forms via **React Hook Form**, and optimized the build with **Vite**, **tree-shaking**, and **code-splitting** to reduce load times.
- Built a corporate landing page to showcase company expertise and support lead collection through a visually rich presentation. I implemented it on **Next.js**, **TypeScript** with 3D scenes on **Three.js**, **Maath**, **GSAP**, and **OpenGL**, added mathematical animation calculations, and integrated a **REST API**.
- Built a multi-level product catalog focused on instant loading, **SEO**, and efficient search across product data. I implemented **SSR**/**SSG** on **Next.js**, **TypeScript**, integrated **GraphQL**, **Apollo**, and **Elasticsearch**, and visualized geodata via **Yandex Maps**.
- Modernized a support service with ~4M daily users by improving UI stability, rendering speed, and engineering quality. I fixed memory leaks, resolved **race conditions**, reduced excessive re-renders, restored **Storybook**, and strengthened delivery and testing workflows. I migrated **MUI** to **Mantine** in a **React**, **TypeScript**, **FSD** codebase, introduced **Reatom** and **RxJS**, optimized rendering via virtualization, set up **GitLab CI/CD**, and covered functionality with **Cypress** E2E, **Playwright**, and **Jest** unit tests.

Holdesher

Fullstack Developer (Middle) · February 2022 - June 2022

- Designed and published an open source **VS Code** extension that sped up routine workflows through templates, snippets, and workspace customization. I built it with **TypeScript**, **JavaScript**, and **VSCE**, added UI customization, themes, icons, syntax highlighting, snippets, and templates, covered it with **Jest** unit tests, and configured **CI/CD** for publishing.
- Built a **RAG** system for automated data analysis and reuse of information from external sources. I implemented **embeddings** and a vector database on **Python**, **LangChain**, and **Chroma**, set up data collection via **Playwright**, **Selenium**, and **Beautiful Soup**, and built the frontend on **React**, **Axios**.
- Architected an internal library to accelerate future projects through reusable UI and 3D solutions. It included reusable cases with 3D scenes, animations, UI components, and media mechanics. I built it on **Next.js**, **TypeScript**, **Three.js**, **R3F**, and **ShadCN**, used **Maath** for mathematical calculations, **GSAP** and **Motion** for animations, and standardized development with **Biome**.
- Deployed a **Docker Compose** template for rapid environment setup and reduced integrated stack startup to a single command. I combined 6 services including **PostgreSQL**, **MongoDB**, **Redis**, **Prometheus**, **Grafana**, and **Loki**, and configured **Nginx** as a **reverse proxy** with cross-platform support for Linux, macOS, and Windows.
- Designed a boilerplate for Telegram/Discord bots to speed up new integrations and standardize the base architecture. I implemented it on **Node.js**, **TypeScript** with a reusable structure and **Biome** linting.
- Built a corporate website for a video production studio with a strong focus on visual presentation and proper handling of user data. I built it on **Next.js**, **TypeScript**, added **Three.js** 3D effects, **lazy loading**, player integration, and worked with a **REST API** for personal data processing.

BPump

Frontend Developer (Middle) · July 2020 - February 2022

- Built a corporate website for a design studio with a strong focus on visual presentation, performance, and search visibility. Improved **Lighthouse** from 45 to 100 and optimized **Core Web Vitals** for low-end devices. I built the frontend on **Pug**, **SCSS**, **GSAP**, and **Webpack** with scroll-triggered animations, custom transitions, and media handling, implemented **SEO** via **Open Graph**, **schema.org**, and **sitemap**, and built the backend and data schemas on **Node.js**, **Express.js** via **REST API**.
- Built a multi-level equipment catalog that improved navigation across the product range and strengthened key page presentation. I implemented it on **Laravel**, **PHP** with a map service, added detailed **GSAP** animations, and optimized media content for low-end devices and legacy browsers.
- Architected a multi-level website with a distinct presentation for each page and convenient content management. I built the frontend on **Pug**, **SCSS**, **GSAP** with custom animations and developed a CMS module on **Node.js**, **Express.js**.
- Built a learning platform with a role-based model for teachers, students, and moderators, including storage and processing for learning materials. I built the backend on **Node.js**, **Express.js**, the frontend on **HTML**, **CSS**, added **GSAP** page transitions, and integrated **S3** with media auto-optimization via **FFmpeg**.
- Built a multi-functional website for an automotive service that combined customer booking, diagnostics, and spare parts workflows in one product flow. I implemented it using **WordPress**, **PHP**, and **jQuery**, and added CRM integration and messenger notifications.
- Built an analytics platform with real-time reporting where confidentiality and scalability were key requirements. I implemented it on **Laravel**, **PHP** with data encryption and a scalable architecture.