

FRONTEND DEVELOPER  
REACT • TYPESCRIPT  
10+ YEARS OF EXPERIENCE

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# Ilya Belsky

## ABOUT

Frontend Developer with 10+ years of experience in commercial development. Worked in teams of 2-20 members, both remotely and on-site. Experienced in building scalable frontend architectures, designing modular component systems and optimizing React applications for performance and UX. Improved page load speed, enhanced user interactions and implemented design systems for consistency and code reuse. Migrated legacy codebases to modern frameworks and enhanced developer experience with efficient tooling, testing and CI/CD pipelines.

Contributed to open-source projects (including React and Observable). In addition to traditional UI, I have expertise in interactive data visualization with D3.js and Observable, creating dynamic, data-driven interfaces.

Passionate about UI/UX design and the evolution of the web as an interactive medium. In my free time, I automate workflows with AI-powered chatbots and explore complex data through visualization.

## SKILLS

**Frontend:** JavaScript, React, TypeScript, D3.js, Redux, Next.js, GraphQL, Observable, SVG, Jest, Storybook, SCSS, Tailwind CSS, lodash, HTML5, CSS

**Other:** Node.js, Docker, PostgreSQL, Git, Bash

## EXPERIENCE

### SENIOR FRONTEND DEVELOPER AT MODUL – 2023-PRESENT

- Built a financial tracking system that reduced decision-making time for top management from hours to minutes.
- Developed a mobile-first dashboard with interactive charts that unlocked instant access to financial metrics.
- Visualized factory production processes, revealing bottlenecks that caused up to 70% inefficiency, prompting leadership to reassess key management roles.
- Upgraded the tech stack by introducing Gitflow, Next.js, and Docker, improving development workflow and maintainability.

TECHNOLOGIES: TypeScript, React, Next.js, SCSS, D3.js, Jest, Node.js, Docker

### LEAD FRONTEND DEVELOPER AT ISMART – 2020-2023 (3 YEARS)

- Increased registration conversion by 36% by redesigning the signup and authentication process from scratch, applying UX best practices.
- Built a full-featured vector editor (tools, selection, undo/redo, hotkeys) for content managers, enabling no-code task creation. Reduced content creation time from 1-4 days to under 2 hours.
- Created an assignment builder for teachers, improving navigation in a catalog with 600,000+ exercises. Optimized preview loading from 3-5 seconds to instant and implemented real-time fuzzy search.

- Pioneered data tracking and analytics to base UX and marketing decisions on data-driven insights.
- Shaped and influenced key architectural and strategic decisions across backend, frontend, QA, UI/UX, product, and marketing, striving to simplicity, first principles and business goals.

TECHNOLOGIES: TypeScript, React, Observable Plot, D3.js, SVG, GraphQL, Postgres, Jest, Amplitude, Figma.

#### **SENIOR FRONTEND DEVELOPER AT DCI – 2018-2020 (2 YEARS)**

- Built interactive, story-telling, data-driven visualizations, making our pitches stand out from competitors with static PowerPoint presentations.
- Developed a desktop app in Electron, allowing pitching offline, improving presentation reliability and the company's reputation.
- Went the extra mile to analyze historical data with R and turned insights into interactive visuals, shaping company strategy.
- Developed a high-quality component library for automated client reports, reducing report creation time from days to minutes.

TECHNOLOGIES: TypeScript, D3.js, Vue, Electron, Storybook, R, Webpack.

#### **SENIOR FRONTEND DEVELOPER AT METHODEXISTS – 2015-2018 (3 YEARS)**

Developed rich data management/mining/visualization applications for large international businesses.

TECHNOLOGIES: JavaScript, React, Redux, D3.js, React Native, Webpack, Node.js, MongoDB.

#### **FRONTEND DEVELOPER AT MODUL – 2013-2015 (2 YEARS)**

Visualized factory production processes, revealed bottlenecks, allowing leadership to reevaluate key management roles.

TECHNOLOGIES: JavaScript, D3.js, SVG, Canvas, Python, MySQL

#### **WEB-DEVELOPER AT SOYUZ – 2006-2013 (7 YEARS)**

Built a plugin-based data exchange hub, a corporate issue tracker, and a well-designed website engine that ran for 10+ years.

TECHNOLOGIES: JavaScript, jQuery, HTML5, XML, XSLT, PHP, MSSQL, C#, .NET

## **EDUCATION**

### **BACHELOR'S DEGREE IN COMPUTER SCIENCE AND AUTOMATED SYSTEMS**

Saratov State Technical University, Russia – 2000-2004

Faculty of Electronic Engineering and Instrumentation

### **MASTER'S DEGREE IN COMPUTER SCIENCE AND AUTOMATED SYSTEMS**

Saratov State Technical University, Russia – 2004-2006

Faculty of Electronic Engineering and Instrumentation