SERGE MARKELOV

Frontend developer, **6+ years** experience
+374 98 617102
GMT+3

serjmarkeloff@gmail.com   LinkedIn   GitHub

ABOUT

Frontend React Developer specialising in React and TypeScript with over 6 years of commercial experience working in teams of 5 to 100 members.

Built the full development cycle—from gathering product owner requirements to releasing features with high test coverage.

Expert in building isolated components and utilising numerous front-end techniques to optimise application performance, speed, and usability.

Also familiar with browser-based WebGL graphics and back-end development.

SKILLS

Main: React, TypeScript, JavaScript, Redux, Redux Toolkit, Next.js, Three.js, HTML5, CSS3, Jest

Other: Figma, Git, Vue.js, Webpack, Node.js, PHP

EXPERIENCE

FRONT-END REACT ENGINEER, **AVITO**
01/2023 - PRESENT; 2+ YEARS

- Developed a front-end platform application from scratch with test coverage exceeding **82.3%**
- Utilized the React TanStack Table library to manage **millions** of items and implement **hundreds** of filters and sorting options across various types
- Created a reusable table component that reduced the time required to add new entity table screens from 2–3 weeks to **3–4 days**
- Mentored a junior developer, advancing them to a **mid-level** role at Avito
- Implemented core front-end metrics tracing in Sentry, ensuring an **LCP** of no more than **0.45s** (well below the green threshold of 2.5s) and an **INP (FID)** of no more than **50ms** (well below the green threshold of 200ms)

Technologies: React, TypeScript, Redux Toolkit, Jest

FRONT-END REACT ENGINEER, **EXPONENTA**
02/2021 - 01/2023; 2 YEARS

- To optimize module re-renders, I upgraded React to version 18 to enable automatic batching and implemented several approaches that reduced re-renders by **3 to 4** times
- By eliminating unnecessary memoization, I simplified component code and significantly reduced the application's memory consumption by approximately **5.7%**—a substantial saving for a high-load application
- Based on these optimizations, I prepared and delivered internal reports that led to the development of new guides by my colleagues and me, further reducing re-renders and eliminating outdated code

Technologies: React, TypeScript, Redux

FRONT-END ENGINEER, **9LINES**
01/2019 - 02/2021; 2+ YEARS

- Boosted landing page conversion for the pop-up trading network by **122%**
- Rewrote the effect animation using Three.js shaders and transferred calculations from the CPU to the GPU, increasing the number of animated elements from hundreds to several thousand while improving site performance and nearly **doubling FPS to 55–60**
- Developed a library of basic interface components in Storybook using React and TypeScript patterns, reducing repetitive tasks and accelerating event project development by **2 to 3** times
- Created an animation constructor that enables clients to choose custom parameters, saving time on edits and negotiations. You can find this constructor on the: https://markeloff.site/prototypes/shaders/dots/ (play around with the progress sliders)

Technologies: React, TypeScript, Three.js, Redux, Vue2

EDUCATION

MOSCOW STATE UNIVERSITY OF CIVIL ENGINEERING — BACHELOR, 2014 - 2018
Informatics and computer science

PERSONAL BRAND

I maintain a small blog with interesting cases and notes about front-end development at smart_dev and at my LinkedIn profile.

I'd be happy to discuss your project and see how I can contribute to it.