

Max Tropnikov

Frontend Developer

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SUMMARY

- Frontend Developer with 3 years of experience in building React web applications in the financial industry.
- Proficient in JavaScript, TypeScript, React, Next.js, Redux (Redux Toolkit, RTK Query).
- Experienced in developing UI component libraries, enhancing UI development workflows, and building high-performance applications.
- Seeking a remote position.

SKILLS

- **Languages:** JavaScript, TypeScript, HTML, CSS
- **Frameworks/Libraries:** React, Next.js, Redux, Redux Toolkit, RTK Query
- **UI Libraries:** Material UI, Tailwind, Ant Design, Emotion
- **Tools:** Git, Vite, Storybook, Astro, Docker, SASS/SCSS, LESS
- **Concepts:** Performance Optimization, Problem Solving, Responsive/Adaptive Web Design, SPA, PWA, RESTful, Backend-Driven UI, Scrum

EXPERIENCE

- **BCS Financial Group, bcs.ru** Remote
Frontend Developer *Mar 2022 – present*
 - Developed a UI component library using React, Material UI, and Storybook, reducing UI development time by 30% and ensuring consistent design across 5 projects
 - Migrated the codebase to RTK Query and integrated OpenAPI code generation, customizing and extending the code generation to support additional functionality
 - Improved page load speed by 20% (300ms reduction) through bundle size reduction by 31%, code-splitting, and dependency optimization
 - Improved technical infrastructure and developer experience – optimized asset implementation and delivery by migrating icons to SVG sprites, integrated automatic linting and code formatting using pre-commit hooks, enhanced TypeScript adoption and strict type checking across projects
 - Conducted regular code reviews and actively participated in onboarding and mentoring new developers, drove adoption of modern development practices and tooling**Stack:** JavaScript, TypeScript, React, RTK Query, Material UI, CSS-in-JS (Emotion), Storybook, Vite, Vitest, Redux Toolkit, Ant Design, Webpack.
- **R-Style Softlab, softlab.ru** Remote
Frontend Developer *Oct 2021 – Mar 2022*
 - Developed hybrid mobile applications using Ionic and Apache Cordova frameworks.
 - Created a UI component library using Storybook, migrating codebase from AngularJS to Stencil.**Stack:** TypeScript, Angular, Ionic, Cordova, Stencil, Storybook, Jest.
- **Institute of Laser Physics SB RAS (ILP SB RAS)** Novosibirsk, Russia
Researcher at Quantum sensors lab *Sep 2015 – Oct 2021*
 - Conducted theoretical and experimental research on developing an optical frequency standard based on cold and trapped Mg atoms.
 - Designed and implemented a thermostabilization system with C++ and LabVIEW utilizing ADC-DAC.
 - Developed theoretical models in MATLAB to simulate laser field interactions with cold atoms.
 - Published articles in scientific journals and presented research at international conferences.

EDUCATION

- **Institute of Laser Physics SB RAS** Novosibirsk, Russia
PhD program in Physics, specialty – Optics *2015 – 2019*
- **Novosibirsk State University** Novosibirsk, Russia
MSc in Physics, Department of Quantum Optics *2013 – 2015*
- **Novosibirsk State University** Novosibirsk, Russia
BSc in Physics, Department of Quantum Optics *2009 – 2013*