

# Maksim Tropnikov

## Frontend Developer

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### About me

- Detail-oriented front-end developer with more than a year's experience building web apps in the financial industry.
- Previously working as a researcher in Physics, I created several tools for use in the lab, which included developing in C++, MatLab, and LabVIEW.
- My tech stack: React, JavaScript, TypeScript, Redux (Redux Toolkit, Redux Saga), Webpack, Vite.
- Currently, deepen my knowledge of React ecosystem and studying algorithms.
- My hobbies are digital and analog photography, and sports: cycling, running, and swimming.
- [Published](#) several papers with co-authors during my scientific career – on Physics, for now.

### Skills

- HTML, CSS, SASS/SCSS, LESS, Ant Design, MUI, MJML
- JavaScript, TypeScript, React, Redux, Redux Toolkit
- Node.js, Express, Webpack, Vite, Gulp, Nginx, Docker, Git

### Experience

- Mar 2022 – **Frontend Developer**, [BCS](#), remote  
Present Working on fintech project [Fins.money](#) – an investment and trading platform for individuals. Developing new features of React-based SPA, clearing technical debt, and reducing backlog:
- Implemented new features: card payment, password change and restore, filtering, etc.
  - Adapted product design for partners.
  - Development and support of desktop, mobile, and webview versions.
  - Built emails with MJML markup language.
- Stack:** JavaScript, TypeScript, React, Redux (dvajs), Lerna, Ant Design, Material UI, MJML, Vite.
- Dec 2021 – **Frontend Developer**, [R-Style Softlab](#), remote  
Mar 2022 Development of hybrid mobile applications using Ionic and Apache Cordova frameworks. Migrating old codebase from AngularJS to Stencil, creating design components with Storybook.
- Stack:** TypeScript, Angular, Ionic, Cordova, Stencil, Storybook, Jest.
- 2013 – 2021 **Researcher at Quantum sensors lab.**, [Institute of Laser Physics SB RAS \(ILP SB RAS\)](#)  
Theoretical and experimental research in the fields of quantum optics and atomic standards, more precisely – on the development of an optical frequency standard based on Mg atoms.
- I developed a thermostabilization system based on LabVIEW utilizing ADC-DAC and C++, and theoretically modeled laser fields interacting with cooled atoms in MatLab.
  - Assisted in writing articles for scientific journals, and gave talks at international conferences.

### Education

- 2015 – 2019 **Graduate work at the Ph.D. level in Physics, specialty: Optics**, [ILP SB RAS](#), Novosibirsk, Russia  
2013 – 2015 **MSc in Physics**, [Novosibirsk State University](#), [Department of Quantum Optics](#), Novosibirsk, Russia  
2009 – 2013 **BSc in Physics**, [Novosibirsk State University](#), [Department of Quantum Optics](#), Novosibirsk, Russia

### Courses and certificates

**Frontend track**, [Hexlet](#), 2022, [Profile \(in Russian\)](#)

**Web Developer Course**, [Yandex.Practicum](#), 2021-2022, HTML, CSS, BEM, JavaScript, OOP, React, React Router, Webpack, Node.js, Express, MongoDB, Nginx, pm2. [Certificate](#)

### Languages

Russian Native  
English B2  
French A2