

Maksim Tropnikov

Frontend Developer

Istanbul, Turkey

✉ maks.tropnikov@gmail.com

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About me

- Frontend developer with scientific background (switched careers from Physics). My previous job as a researcher involved programming in C++, MatLab and LabVIEW, and developing several tools for using in the lab.
- Currently deepen my knowledge in React ecosystem and MERN stack, study algorithms. You can view my code samples, study projects and test assignments on my [github](#).
- Have experience of public speaking at international conferences. Fond of photography, love dogs.

Skills

- HTML, CSS, SASS/SCSS, LESS, Ant Design
- JavaScript, React, Redux, Redux Toolkit, TypeScript
- Node.js, Express, MongoDB, Webpack, Gulp, Nginx, Docker
- Git, GitHub Flow, Agile

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 with Redux -based SPA, clearing technical debt and reducing backlog:

- Cleared most of the bug backlog.
- Adapted design of one of the products for partners.
- Implemented new features: card payment, password change and restore, filtering, etc.

Stack: HTML, CSS (LESS), JavaScript, React, Redux (dvajs), Ant Design, Agile.

Dec 2021 – **Junior 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, GitHub Flow, Stencil, Storybook, Jest.

Mar 2021 – **Frontend Developer (apprenticeship)**, [Yandex.Practicum](#), online

Jul 2022 Course on frontend development with MERN **stack:** HTML, CSS, JavaScript, Git, React, React Router, Node.js (Express), MongoDB, BEM, OOP, Webpack, Nginx, pm2. During my study at Yandex.Practicum on Web Developer course I implemented several projects, which all can be seen at my final project [page](#) (also, feel free to check out [frontend](#) on github and [backend](#)).

2013 – 2021 **Junior 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 and using ADC-DAC and theoretically modeled laser fields interacting with cooled atoms in MatLab.
- Gave talks at international conferences. Assisted in writing articles for scientific journals.

Education

2015 – 2019 **Graduate work at the PhD level in Physics, specialty: Optics**, [ILP SB RAS](#), Novosibirsk, Russia, Laser cooling and spectroscopy of cold magnesium atoms localised in a magneto-optical trap for an optical frequency standard.

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

Other

Oct 2017 **Predoctoral school *Cold atoms and quantum transport***, *Les Houches Physics school (Ecole de Physique des Houches)*, Les Houches, France, October 2–13, 2017

Courses and certificates

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

Interfaces Development: Layout and JavaScript Specialization, *Coursera*, MIPT, Yandex and E-Learning Development Fund, 2021, course 1 of 5. [Certificate](#)

Languages

Russian Native

English C1

French A2

Extra info

Interests Digital and analog photography, piano, sport: cycling, running and swimming.

Winner at the 55th International Scientific Student Conference «MNSK 2017» in *Photonics and quantum optical technologies* section. Winner (2018) and third winner (2019) of the ILP SB RAS young students conference contest.

[Published](#) several papers with co-authors during my scientific career – on Physics, for now.