Maksim Tropnikov

Frontend Developer

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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 – Present
Frontend Developer, *BCS*, remote
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 – Mar 2022
Junior Frontend Developer, *R-Style Softlab*, remote
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.

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 and using ADC-DAC and theoretically modeled laser fields interacting with cooled atoms in MatLab.
- Assisted in writing articles for scientific journals, gave talks at international conferences.

Education

2015 – 2019 **Graduate work at the PhD 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

Other

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

Courses and certificates

Frontend track, *Hexlet*, 2022, Profile

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