

Mikhail Makarov

Contacts

Address: Russia, Moscow, 124365 | **Email:** mikhail.makarov@phystech.edu | **Phone:** +79651567895

Website: <https://mikhailernstovich.github.io> | **LinkedIn:** <https://www.linkedin.com/in/mikmakarov>

About

Experienced frontend developer with a proven track record of creating smooth and user-friendly websites, coupled with a passion for clean and efficient coding. I am excited about the opportunity to contribute my skills and expertise to your team

Experience

JSC FLAT

Frontend Developer

Moscow, Russia
01/09/2022 – till now

- Created an administrative panel website for the Tretyakov Gallery.
- Deployed CI/CD in Jenkins in close collaboration with QA team and backend developer.
- Coded lots of frontend features such as custom photo loader, complex forms with validation rules, custom stylesheets, and more.
- Carried out migration to a new API scheme, which led to weakening requirements for server capacity.
- Ensured stable operation existing frontend applications by conducting bug fixes and security updates.

JSC Molecular Electronics Research Institute

Senior Researcher

Moscow, Russia
01/09/2016 – till now

- Provided technical expertise on neural network accelerators, photonic tensor processors, and ADCs.
- Invented an integrated loop reflector that significantly improves power consumption of a photonic memory cell.
- Carried out theoretical and numerical simulations of different integrated optics devices using Comsol Multiphysics.
- Published over 10 scientific papers and presenting them on conferences.

Education

Moscow Institute of Physics and Technology

Master of Science, Applied Mathematics and Physics.

Bachelor's degree, Applied Mathematics and Physics.

Moscow, Russia

01.08.2016

01.08.2014

Skills

Hard Skills: JavaScript, TypeScript, Vue.js, HTML, CSS, SASS, SCSS, Vite, webpack, npm, element-plus.js, git, State Management (vuex, pinia), Node.js, Express.js, Vue-CLI, Jenkins, SPA and PWA, vue-router, Bootstrap, Google Firebase, Bubblewrap.

Soft Skills: problem-solving, critical thinking, time management, collaboration, patience, empathy.

Languages: English - B2, Russian - Native.

Recent publications:

- Energy-Efficient Photonic Memory Cell with Spatially Separated Recording/Erasing and Readout Channels – 2022 Physica status solidi (b) / Published by Wiley-VCH Verlag · Jun 1, 2022
- Numerical simulation of effective light transmission through a photonic memory cell – 2021 Journal of Physics: Conference Series / Published under licence by IOP Publishing Ltd · Dec 1, 2021
- Peculiarities of the synthesis of GST films by magnetron sputtering for nonvolatile optical memory cells – 2020 Journal of Physics: Conference Series / Published under licence by IOP Publishing Ltd · Dec 1, 2020