Aleksei Margolin, Middle+ Frontend Developer

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English (working proficiency), Russian (native)

Russian citizenship, located in Berlin, need residence permit

Javascript (ES6, NodeJS, jQuery), Vue (2, 3, Composition API), Svelte, Angular 1, HTML5/CSS3, SASS/LESS, Wordpress (themes/plugins development), PHP, MySQL, MongoDB, Python, Git, REST, Figma

01/2020 - now

Lead Frontend Developer, AtomStroyExport JSC, Russia

Developed a self-written framework and 3 configurable products (microservice architecture). The final products are designed for a load of up to 1,000 users, from a few hundred, up to hundreds of thousands of records of different entities. Documented the project. Configured CI/CD (Jenkins / nginx). Wrote process automation scripts (Python / NodeJS), which reduced initialization and initial configuration time from 1 day of manual configuration to 3 minutes within CI/CD. Developed API autotesting systems, reduced API testing time from 2 days to 6 minutes. Led a Frontend team of 6 members.

HTML / CSS / JS / React, Python / NodeJS

01/2017 - now

Software Engineer, Herzen University, St. Petersburg, Russia

Optimized atomic collision research programs for theoretical physics research group. Reduced simulation and calculation time from ~1 year to ~1-2 weeks for all required conditions (100-150).

Fortran, C++ (CUDA)

08/2021 - 02/2022

Fullstack Developer, inSTEMM LTD, London, UK

Developed modules of an international network of sites for the interaction of scientific groups. Created own solutions for interaction between users of the system. Developed a cross-domain authorization service, a service for selling and recording user subscriptions, a social network of confirmed participants for scientific group interaction, a system of grant applications, an online scientific journal.

HTML / CSS / JS, PHP / MySQL

01/2019 - 12/2021

Frontend Developer, Deviz & Uniprint LTD, Tallin, Estonia

Created a resource management application (design and frontend). Represents a table with manual input, computable values, and event notifications. Minimum response time is kept for outputting up to 100,000 cells with automatic calculation of dependency chains between cells.

HTML / CSS / JS / Vue 2

Developed a Frontend of process control system for an international printing house. Implemented a statistics collection system, an interactive production schedule (Gantt chart) showing in real time the workload of the equipment with the possibility of load redistribution and a system of prediction and optimization of the order of operations. Average workload - 200-300 orders in parallel per day from more than 15 separate processes in the life cycle of each operation.

HTML / CSS / JS / Angular 1

08/2016 - 11/2018

Fullstack Developer, Kaspersky Lab, Moscow, Russia

Frontend + Backend internal and some internal projects for Kaspersky Lab. Complete redesign and development of an interactive catalog of detected threats (apt.securelist.com).

HTML / CSS / JS / Angular 1, PHP / MySQL

2013 - 2016	**Fullstack Developer,** St. Petersburg, Russia

HTML / CSS / JS / PHP / MySQL / Wordpress

Developed a theme and plugins for **Online Media "ThePearl"**. Cross-browser adaptive layout. The site remained fully functional with javascript off (gracefull-degradation). Average load was 15,000 hits per day.

Developed the layout and integration with CMS Wordpress for **"Freedom Team"** of the local business festival website "Iskra". Average load during the events is 19,000 per day. Developed the website of the "Living Streets" festival with interactive map. Average load during the events is 11,000 views per day.

Reworked the **Street Art Museum**'s website. Integrated a new version of the site with CMS Wordpress. Average load - 4000 views per day.

Developed, managed and supported all the projects of **Joiny Labs LTD**. Adaptive and cross-browser (IE9+) website layout, integration with CMS Wordpress. Developed an app that integrates large city events and private meetings. Created modules for scheduling, advertising and ticket sales for events.

Hackathons

08/2022   AtomSkills 2022, 1st place

Full development cycle of the technical support system. Registration of requests in different ways (mail, interface, import from the old system), with life cycle implementation, notifying users about changes and current status, generating reports with semi-automatic distribution of received requests, documentation (administrator, user, deployment guides). CI/CD scripts, microservice architecture, horizontal scalability.

HTML / JS / Svelte

10/2021   Volvo Cars Digital Challenge, 1st place

As part of the "increasing user loyalty" track, developed integration between Volvo cars and smart home systems (using Yandex's Alice as an example) - a car with smart systems in smart home scenarios.

HTML / CSS / JS

10/2019   Leaders of digital, 1st place

Developed an application to optimize production processes. The application suggested optimal routes based on machine tool locations, dependencies, path availability to increase the speed of product output.

HTML / CSS / JS / Vue 3

11/2018   VK Hackathon, Grand-prix

Developed an app within the charity track using the VK API, VK MiniApps platform and DonorSearch API. The app presents a user card, a personalized map of donor centers, and an interaction history (upcoming/past entries) with reminders and notifications (Push for mobile devices and Notifications API for browsers).

HTML / CSS / JS / Vue 2

Education

2021	Course "Microservice architecture" (academyit.ru)
2019	Certification "Cisco CCNA: Routing & Switching"
2015 - 2018	BA in "Information Technologies in the Media Industry", Saint Petersburg State University of Industrial Technologies and Design, Russia
2013 - 2015	BA (for the first 2 years) in "Automation and automatization of the production processes", ITMO University, St. Petersburg, Russia