Semyon Makhaev

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Education

Ural Federal University named by First President of Russia B.N.Eltsin,   2014 — 2020

Mathematics and Computer Science faculty, computer security — information security specialist

Ural Federal University named by First President of Russia B.N.Eltsin,   2015 — 2020

Economics and Management faculty, MBA — international business specialist
Economics, investment, business management, staff motivation and incentives.

Yandex Data School — Data Science specialist   2020

Machine learning, probability theory, mathematical statistics, algorithms and data structures.

Experience

Frontend Team Lead — SberDevices   2020 — present

Development of virtual assistant skills interfaces for Sber IoT smart devices — SberBox, SberPortal, mobile application Sber Salute and others.

Frontend architecture designing. Animations and rendering optimization for devices with low technical characteristics. Creating of interactive applications with voice interface using WebSocket. High test coverage level. Created a shared components library.

Building development, testing, releases, codereview, design-review and duty processes on services. Interaction with product owner, roadmap making. Motivation management, employee goals management. Project management, building a process of interaction with a backend and data providers. Team building, interviewing, hiring and dismissal of employees.

Software Engineer — Yandex   2017 — 2020

Full-stack web applications development, difficult high load systems creation and support, services architecture design, frontend development, interfaces design, development team leading using Agile and Scrum principles

Organizer and teacher of Yandex frontend development courses — ITMO   2018   — 2020
University in Saint Petersburg, UrFU University in Ekaterinburg
Lecturing, homework preparing and checking. Organizing of UX course in ITMO.
Training of specialists

Projects

1. Delivery club virtual assistant skill (service launch and development team leading)
   https://vc.ru/services/319882-salyut-zakazhi-vinograd-inaushniki-kak-virtualnye-assistenty-delayut-shoping-proshche-i-priyatnee
2. Recipes searching app Super Chef (development team leading)
3. Coffee delivery app Coffeemania (development team leading)
4. Food delivery app Samokat (service launch) https://www.sber.ru/salute/eda/
5. Popcorn delivery application
6. Mathematical congress website (MVP launch) https://icm2022.org/
7. Yandex School (service launch and development team leading) https://school.yandex.ru/
8. Yandex Educational initiative website (service launch and development team leading)
   https://initiative.yandex.ru/
9. Yandex Academy (team leading) https://academy.yandex.ru/
10. Yandex Data School website (team leading) https://yandexdataschool.com/
11. Yandex Mathematics (MVP launch) https://math.yandex.ru
12. Yandex Contest https://contest.yandex.com/ and competitions management interface
    https://admin.contest.yandex.ru/
13. Yandex Hypercube – service for testing interfaces on mobile devices
    https://habr.com/ru/company/yandex/blog/485050/
14. Yandex Blogs and Corporate Blog https://yandex.com/blog/yacompany-com
15. Advertising managers certification website https://yandex.com/adv/expert/
16. Proctoring testing on advertising managers certification website
17. Yandex advertising website https://yandex.com/adv/
18. China advertising website https://yandex-ad.cn/

Technologies

JavaScript, React, TypeScript, styled components, CSS modules, Next.js, Redux, Redux Saga, Redux Thunk, SWR, Webpack, WebSocket, Node.js, Docker, NestJS, Express, sequelize, PostgreSQL, MongoDB, MySQL, Redis, Python, Django, cypress, storybook, sentry, amplitude, S3.

Certificates

Team championship of ACM in UrFU – third degree diploma	2019
CISCO Networking Academy CCNA Routing and Switching: Scaling Networks	2018
CISCO Networking Academy CCNA Routing and Switching: Connecting Networks	
Team championship of QCTF Starter 2018 – second degree diploma	
Certificate of passing the practice course of web development from the Yandex company	2017
Certificate from Moscow State University of additional secondary program «Startups legal support»	
Team championship of ACM in UrFU – third degree diploma	
Team championship of ACM ICPC 2017 – certificate of participation	
CISCO Networking Academy IT Essentials: PC Hardware and Software	2009
Certificate of Proficiency – HP Learning Initiative for Entrepreneurs	

Hobbies

Reading. Playing musical instruments: saxophone, guitar, piano. Sport: swimming, chess. Investing.