

# GEORGE MISHUROVSKY

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## CAREER SUMMARY

### Product Engineer • Software Architect • Tech Lead

- **Thorough and purpose-driven Product Engineer** with 8 years of experience designing software, implementing front-end and back-end components of web applications. Versed in communication with non-technical clients and collaboration within development teams.
- **Proficient in TypeScript, .NET (C# and F#), Node.js, React, and Next.js**, writing performant code that engineers can own, following principles of SOLID, clean code, and clean architecture. Expert in building user-friendly, efficient, and accessible UIs based on sound design principles. Experienced in solution architecture and cloud-native development.
- **Former Medical Doctor, graduated cum laude**, offering a unique blend of medical expertise and software engineering skills. Able to translate medical terms into coding tasks on-the-go, facilitating effective communication between medical or research clients and development teams.

## AREAS OF EXPERTISE

- |                           |                     |                    |
|---------------------------|---------------------|--------------------|
| ▪ TypeScript & JavaScript | ▪ REST API          | ▪ AWS              |
| ▪ .NET (C# & F#)          | ▪ Node.js           | ▪ Linux            |
| ▪ HTML & CSS              | ▪ SQL (PostgreSQL)  | ▪ Docker           |
| ▪ React & Next.js         | ▪ NoSQL (MongoDB)   | ▪ Git              |
| ▪ Tailwind CSS            | ▪ Jest & Playwright | ▪ Python & R       |
| ▪ Storybook               | ▪ Keycloak          | ▪ HIPAA compliance |

## PROFESSIONAL EXPERIENCE

**Bild**, Podgorica, Montenegro

2024 – Present

A software development agency for growing businesses

### Senior Product Engineer

Joined a team working on a web application for a private investment management company as a Senior Product Engineer. Optimized application performance and reworked user experience, then led architecture and component implementation for data-rich user workflows.

- **Led architecture of complex SPAs:** defined user stories, delegated tasks, conducted reviews, and mentored engineers. Improved delivery speed by 15% and cut production bug reports by 80%. Ensured requested features precisely reflect users' needs and high standards of execution.
- **Reworked UX of existing applications** in close communication with clients. Streamlined the UI for users according to design principles, reduced interaction complexity, fixed accessibility and keyboard navigation issues, reaching a Lighthouse accessibility score of 100.
- **Optimized application performance**, reducing page load time by 90% and reducing response times by 70% in critical sections. Reviewed CI/CD pipelines to speed up build times by 30%, improving developer experience and cycle time.

## **Moscow Center for Healthcare Innovations**, Moscow, Russia

**2021 – 2024**

An applied R&D center for the state healthcare system

### **Senior Full Stack Engineer**

Worked on a custom data management and analysis software for clinical trials of anti-cancer medications.  
Developed AI-driven chatbots for diverse applications.

- **Led back-end and front-end software development** for the clinical trial data storage and management system for 15,000 participants, ensuring high quality and HIPAA compliance. Coordinated the integration of the system into the three largest oncological hospitals of Moscow, facilitating effective communication between healthcare customers and the development team.
- **Delivered an analytical system for clinical trial data**, providing initial insights and enabling fast data preprocessing for further analysis, saving 50h of researcher workload monthly.
- **Created an AI chatbot for the Moscow Healthcare Department**, using NLP models to support thousands of breast-cancer patients with guidance through the public healthcare system.

## **Future Doctor**, Moscow, Russia

**2019 – 2021**

An online school offering state exam preparation for high school students

### **Full Stack Engineer**

- **Implemented from scratch** a system to manage an online school, including modules for live video lessons, scheduling, attendance, handling of homeworks, and performance reports.
- **Built a Progressive Web App (PWA)** featuring over 2,000 pages of study materials with varying functionality depending on user role.

## **Vitaminboxes**, Moscow, Russia

**2018 – 2019**

A subscription-based service of personal dietary supplements delivery

### **Web Developer**

- **Developed websites** for the company, featuring landing pages, a blog, and a basic CRM system. Optimized SEO, integrated services for payments and user traffic analytics.
- **Scaled the website** from 0 to 200 daily visitors with a 3% conversion rate into a purchase.

## **Lomonosov Moscow State University**, Moscow, Russia

**2015 – 2018**

### **Research Software Engineer (Student Researcher)**

- **Developed data pipelines and statistical models** with academic researchers, transforming raw experimental data into statistical outputs and visualizations.

## **EDUCATION**

### **Doctor of Medicine**

Moscow State University, Moscow, Russia

Degree *cum laude* (GPA 4.93 / 5.00), minor in Computer Science & Statistical Computing

US Medical Licensing Examination (USMLE) Step 1 score – 254 (top 10% worldwide)

## **CERTIFICATIONS & COURSES**

**AWS** — Certified Solution Architect Associate

**Gorbunov Bureau** — Negotiations and Client Relations

**Gorbunov Bureau** — Project and People Management