

## CAREER SUMMARY

### Full Stack Developer • Front-end Developer • Software Architect

- **Responsible and self-motivated Full Stack Engineer** with 5 years of experience designing systems and implementing front-end and back-end components of web applications. Versed in establishing cost-effective infrastructure to drive business goals and foster revenue growth.
- **Proficient in TypeScript, Vue, React and Node JS**, with a strong emphasis on writing maintainable code following SOLID and clean code principles. Experienced in building responsive and accessible layouts using sound design principles, coupled with efficient backends featuring proper database architecture and concise APIs.
- **Former Medical Doctor with a degree 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 research and development teams.

## AREAS OF EXPERTISE

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|---------------------------|--------------------|-----------------|
| ▪ TypeScript & JavaScript | ▪ RESTful API      | ▪ Medicine      |
| ▪ HTML & CSS              | ▪ GraphQL API      | ▪ Python & R    |
| ▪ Vue JS                  | ▪ Node JS          | ▪ Data analysis |
| ▪ React JS                | ▪ SQL (PostgreSQL) | ▪ Linux         |
| ▪ Tailwind CSS            | ▪ NoSQL (MongoDB)  | ▪ Nginx         |
| ▪ UI Design               | ▪ AWS              | ▪ Git           |

## PROFESSIONAL EXPERIENCE

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

2021 – Present

*An accelerator for startups in Healthtech and Biotech*

#### Full Stack Developer

Recruited to contribute to the development of custom data management and analysis software for clinical trials of anti-cancer medications. Architected database and API structures, crafted user interfaces for data interaction and took part in the development of AI-driven chatbots for diverse applications in healthcare.

- **Pioneered the creation of a BI system for clinical trial data**, providing initial insights and enabling data selection, filtering, sorting and aggregation for subsequent analysis in statistical software.
- **Led back-end and front-end architecture development** for the clinical trial data storage and management system. Coordinated the integration of the system into the three largest oncological hospitals of Moscow, facilitating effective communication between healthcare customers and the development team.
- **Engineered an AI chatbot for the Moscow Healthcare Department**, empowering breast cancer patients to navigate the state healthcare system with ease.

**Future Doctor**, Moscow, Russia

**2019 – 2021**

*An online school offering state exams preparation courses for high school students*

### **Full Stack Developer**

Joined a newly founded online-school to build an automated system for communication between teachers, students and parents. Collaborated closely with management to translate business processes into reliable and flexible software, concurrently establishing highly available and cost-effective infrastructure.

- **Led the architecture, design and implementation of software** to efficiently manage various aspects of the online school, including student attendance, deadline compliance, automated work checks, and performance report emails. Implemented a system for calculating monthly worker earnings based on work done.
- **Developed a Progressive Web App (PWA)** featuring over 2000 pages of study materials for students preparing for state exams. Integrated the app with a system above to track student performance and conduct automated oral knowledge tests.
- **Designed and implemented SEO-optimized landing pages** for the school and its courses. Integrated payment services and set up systems of page performance and user traffic analytics.

**Vitaminboxes**, Moscow, Russia

**2018 – 2019**

*A subscription-based service of personal dietary supplements delivery*

### **Full Stack Developer**

In the final year of university, collaborated with three students to co-found Vitaminboxes, a startup aiming to identify individual vitamin deficits using scientific data and deliver personalized monthly vitamin packs. Assumed the role of team leader and web developer, overseeing technical aspects while co-founders managed designs, client communications, and logistics.

- **Developed a company website featuring an SEO-optimized landing page and a blog**, resulting in increased visibility, hundreds of visitors, and sales generation.
- **Lead a team of three**, ensuring coordinated collaboration, adherence to deadlines, and devising strategies to reach more potential clients, ultimately contributing to revenue growth.

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## **EDUCATION**

### **Doctor of Medicine**

Moscow State University, Moscow, Russia

*Degree summa cum laude (GPA 4.93 / 5.00), minor in Computer Science*

*US Medical Licensing Examination (USMLE) Step 1 score – 254 (top 10% worldwide, top 2% in the university)*

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## **MEDICAL RESEARCH**

- **Future cancer burden in Russia:** incidence and mortality trends up to 2030
- **Prognostic model for diffuse alveolar hemorrhage** in patients with ANCA-associated vasculitides
- **SNPs in genes of urokinase system proteins** and the risk of placental insufficiency
- **SNPs in T-cadherin gene (CDH13)** and body mass in patients with ischemic heart disease