

Sergey Zakharov

Senior Full-stack Developer

email: hello@sergeyzakharov.dev
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Summary

I am a **full-stack developer** with more than **eight years** of web development experience and around **twelve years** in software development in general. I have developed, deployed, and maintained a lot of public and in-house web projects and tools from scratch, both as a solo developer and as a part of a team. I've hired, educated, and managed developers, and reviewed their work. I'm able to quickly learn new technologies, concepts, and approaches. I have good communication skills. I have worked directly with clients, participated in every stage of a project — from the initial idea to the deployment and final presentation, — and have directed the development process of complex projects. I have co-authored and lead a web design and development course. I have developed an in-browser 3D game. I have varied work experience: a corporation, a research institute, an educational non-profit, a media outlet, a design agency, an ML-startup, and, lastly, a company that has millions of users and was #1 on the App store and Google Play multiple times. I once was a co-founder of a compact web design and development studio.

I enjoy purposeful use of technologies, craftsmanship, and beauty. I value effectiveness, sustainability, and culture. I tend to think of a project as a whole and like to work across the stack, participating in the frontend and backend development, database and infrastructure management, as well as collaborating closely with clients, developers, designers and other team members, making sure the project meets its purpose.

Skills

Frontend development

HTML, CSS, JavaScript,
React, Redux, Webpack, Electron,
Jamstack, Next.js, GraphQL,
SCSS, Tailwind, CSS-in-JS,
Jest, RTL, Playwright,
Animations, canvas, Three.js, Figma

Backend development

Node.js, Express, ORM, Telegram and Slack bot APIs, Nginx

Database development

SQL, PostgreSQL, schema design, query optimisation

DevOps

Docker, Docker Compose, Dokku, GitLab, Jenkins

Other

Software architecture design
Project decomposition and estimation
Managing, mentoring, educating, hiring developers
Auditing and improving development processes

Languages

Russian is my native language and I speak English fluently.

Education

Bachelor's degree in Business Informatics from the Higher School of Economics (2009—2013, Moscow, Russia).

Supplementary courses & workshops:

- Algorithms: Design and Analysis (Coursera)
- Functional programming Principles in Scala (Coursera)
- Functional program Design in Scala (Coursera)
- Pragmatic System Design (Udemy)
- WebGL shaders workshop (CODAME)
- ThreeJS (ThreeJS Journey)

Teaching

- Authored and taught a web design and development course on skvot.io platform.
- Taught a web design and development course in the Higher School of Economics.
- Co-led an interactive design course in the Higher School of Economics.

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Experience

Zello Inc.

March 2022 — March 2024

Role: Senior Frontend Developer

Responsibilities:

- Architecture design, development, and maintenance of Zello web apps
- Improving software development processes
- Managing, mentoring, code-reviewing other developers
- Writing tests and documentation
- Conducting job interviews

Stack: JS, Typescript, React, Redux, Electron, Jest, Playwright, MySQL, Docker

KitCollective

January 2021 — January 2022

Role: Co-founder, Full-stack Developer

Responsibilities and Achievements:

- Developed, deployed and maintained all web projects.
- Hired, educated, managed and code-reviewed junior developers.
- Wrote tech briefs and estimates, communicated with clients, presented the projects and provided IT consulting.

Stack: JS, Next.js, GraphQL, React, Tailwind, Three.js, Node.js, Express, PostgreSQL, Contentful, Prismic, Vercel, Dokku

Self-employed

June 2020 — January 2022

Role: Full-stack Developer

Responsibilities and Achievements:

- Developed and tech directed the development process of a website for the oldest cinema in Moscow.
- Developed two web projects for the Russia and Canada Pavilions at the 17th International Architecture Exhibition.
- Developed a 3D web game, an interactive 3D component, and a typography performance website for an educational project.
- Developed a website that won a Type Directors Club and an awwwards award.
- Wrote tech briefs and estimates, communicated with clients, presented the projects and provided IT consulting.
- Developed, deployed and maintained several smaller web projects.

Stack: JS, Next.js, GraphQL, React, Tailwind, Three.js, Node.js, Express, PostgreSQL, Contentful, Prismic, Vercel, Dokku, Shopify

ONY

March 2019 — June 2020

Role: Full-stack Developer

Responsibilities and Achievements:

- Developed web projects for big corporate and administrative clients.
- Developed interactive graphical components for several projects using WebGL and the canvas API.
- Developed a complex Slack bot for the tracking of the work hours, vacations, and day-offs.
- Code-reviewed the work of other developers, on the team and outsource.
- Conducted a series of web development and creative coding lectures for the team.

Stack: JS, Next.js, React, Vue, Nuxt.js, WebGL, Node.js, PostgreSQL, GitLab

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Experience

Strelka Institute for Media, Architecture, and Design

February 2017 — March 2019

Role: Fullstack Developer

Responsibilities and Achievements:

- Developed a new article format (a quiz) and two featured projects for the Institute's media outlet, extended its custom article editor and CMS, and wrote API specs for the backend developer.
- Extended the shared component library for the Institute's projects.
- Developed a new website for the Institute's educational platform and launched a new course.
- Developed an experimental website for the Institute's annual urban tech conference. The website was featured on "experimental web" aggregators (brutalist websites, hoverstates, klikkentheke, thegallery.io).
- Developed a few smaller web projects and in-house tools.
- Hired new developers, managed junior and outsource developers and reviewed their work.

Stack: JS, Next.js, React, Redux, Emotion, P5.js, Webpack, Express, Node.js, PostgreSQL, Docker, CircleCI