

Simon Mokrov | Full Stack Developer

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CONTACTS

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🗣 English | Russian | Dutch (A1)

ABOUT ME

Full Stack Developer with 3+ years of experience building scalable, high-performance applications across frontend and backend. Skilled in JavaScript/TypeScript, Java (Spring Boot), React, Redux, NestJS, PostgreSQL, and Docker, with a strong track record in Agile teams.

Professional experience spans enterprise retail, EdTech, and banking software, with proven impact on performance, feature delivery, and system scalability. Holds a Master's in Digital Driven Business (AUAS, Amsterdam) with a focus on data-driven development, machine learning, and statistics.

Passionate about creating reliable, scalable systems and open to both backend and frontend opportunities that leverage full-stack expertise.

EXPERIENCE (> 3 YEARS)

1. Frontend Developer

March 2024 – Present

X5 Tech – Largest retail in Russia

Developed and supported subscription services ("Package", "Abonement") in a corporate, cross-functional environment.

Tech stack: React, TanStack Query, pnpm, Axios, Chart.js, Python & FastAPI (reading)

- Increased customer retention by 12% through frontend improvements.
- Reduced release time-to-market by 15% within 6 months.
- Accelerated delivery of planned features by 10% via Scrum practices.
- Reduced production issues by 18% after refactoring codebase.

2. Backend Developer

July 2024 – Feb 2025

ITMO University – Banking software for Gazprombank

Enhanced internal systems for bank guarantees, optimizing backend workflows and enterprise data processing.

Tech stack: Java, Kotlin, Spring Boot, Gradle, PostgreSQL, Kafka, SOAP, Docker

- Reduced average response latency by 12% via endpoint refactoring.
- Improved PostgreSQL query execution by up to 20%.
- Cut report build time from 90s to 60s.
- Lowered server load by 20% after migrating to Kafka.

3. Full Stack Developer

Nov 2023 – Apr 2024

Tune IT – EdTech solutions

Developed and maintained the Skillfactory educational platform and the Polytech introduction system for abiturients, focusing on scalability, usability, and performance.

Tech stack: React, TypeScript, RTK Query, SCSS, Styled Components, Spring Cloud, Java, Kotlin

- Resolved 30+ product issues, improving stability.
- Reduced design-to-development cycle by 25% with custom UI components.
- Cut service latency by 13% through modularization with Spring Cloud.

4. Full Stack Developer

Mar 2023 – Nov 2023

MagicGophers – Social apps for VK (largest social network in Russia)

Built VK mini-apps for third-party clients, combining frontend and backend development.

Tech stack: React, VK UI, VK Bridge, VK Router, VK API, NestJS, PostgreSQL, Redis

- Delivered apps adopted by 10,000+ VK users.
- Increased conversion rates by up to 20% via UI/UX improvements.
- Reduced bug reports by 30% within 6 months.
- Optimized DB queries, reducing latency by 25%.

5. Frontend Developer

July 2022 – Mar 2023

ITMO University – EdTech (remote exam monitoring)

Redesigned frontend for ITMOproctor, improving scalability and user experience.

Tech stack: React, Redux, Vue.js, JavaScript, WebRTC, WebSockets, Axios

- Reduced time-to-market for new features by 20% through modular architecture.
- Decreased load times by 10% with optimized routing, state, and sockets.
- Enabled secure streaming for 5,000+ concurrent exams using WebRTC.

ADDITIONAL EXPERIENCE

1. Machine Learning Engineer, X5 Tech

Feb 2025 – Apr 2025

Tech stack: Python, pandas, scikit-learn, SHAP, XGBoost

Built a churn prediction model and a pricing simulation pipeline for subscriptions. Integrated results into dashboards and validated impact with A/B testing, supporting pricing optimization.
2. Teaching Assistant, ITMO University

Sep 2022 – Feb 2023

Tech stack: Java, Spring Boot, PHP, JavaScript, React, Vue.js, Angular, HTML, CSS

Guided first-year students in programming and web development. Led Java sessions and mentored full-stack projects, enhancing technical and teaching skills.
3. CMS on FastAPI

2022

Tech stack: Python, FastAPI, PostgreSQL, HTML, CSS, JavaScript

Built a CMS in a contract team project with FastAPI and PostgreSQL. Delivered a scalable solution with authentication, data modeling, and a customized admin interface.

SKILLS

- Languages JavaScript, TypeScript, Java, Kotlin, Python, C
- Frontend React, Redux (TanStack/RTK), Vue.js, Next.js, Electron, React Native, Expo, Styled Components, CSS3, HTML5
- Backend Spring Boot (Data, Security, MVC), Java EE, NestJS, FastAPI, gRPC
- Messaging Kafka, RabbitMQ, Amazon SQS, WebSockets, SSE, GraphQL
- Databases PostgreSQL, Oracle, MongoDB, Redis
- DevOps Docker, Git, CI/CD, AWS, Nginx, webpack, vite, monorepo
- ML scikit-learn, pandas, PyTorch, XGBoost, NumPy, MCP

EDUCATION

Master (MSc) <i>Amsterdam, the Netherlands</i> Major: Digital Driven Business Coursework: <ul style="list-style-type: none">- Statistical testing- Machine learning- Clustering- Deep learning- Scrapy & Selenium- RecSys- MLR models- Research skills	AUAS (HvA) 2024 – 2025	Bachelor (BSc) <i>Saint-Petersburg, Russia</i> Major: Software Engineering Coursework: <ul style="list-style-type: none">- Advanced and computational math- Probability and queueing theory- Web and low-level programming- Algorithms and data structures- Operating systems- Databases- Patterns- Microservices	ITMO University 2020 – 2024
Bachelor (BSc – Exchange semester) <i>Istanbul, Turkey</i> Major: Computer Science (exchange) Coursework: <ul style="list-style-type: none">- Testing and analyzis- Parallel Computing- Advanced Databases- Computer Networks	Ozyegin University 2023 – 2023		