Simon Mokrov | Full Stack Developer

Amsterdam, the Netherlands

CONTACTS

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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 Masters 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: 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, 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) **AUAS (HvA)**
Amsterdam, the Netherlands 2024 – 2025
Major: Digital Driven Business

Coursework:
- Statistical testing
- Machine learning
- Clustering
- Deep learning
- Scrapy & Selenium
- RecSys
- MLR models
- Research skills

Bachelor (BSc) **ITMO University**
Saint-Petersburg, Russia 2020 – 2024
Major: Software Engineering

Coursework:
- Advanced and computational math
- Probability and queueing theory
- Web and low-level programming
- Algorithms and data structures
- Operating systems
- Databases
- Patterns
- Microservices

Bachelor (BSc – Exchange semester) **Ozyegin University**
Istanbul, Turkey 2023 – 2023
Major: Computer Science (exchange)

Coursework:
- Testing and analyzis
- Parallel Computing
- Advanced Databases
- Computer Networks