

# Dmitrii Shatokhin

Software Engineer | Front End

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Software engineer with 10+ years of experience, combining technical expertise with creativity and collaboration. Founder of Persevie and active contributor to open-source projects. Focused on curiosity, empathy, and continuous improvement. Interests: AI, blockchain, science, music, geek culture, and family.

## Work Experience

### Front End Architect

Jan 2022 - Present

[Support Partners](#) | Remote

Planned and led the design of scalable web architectures, focusing on efficiency and flexibility. Mentored teams through complex challenges, writing detailed documentation and fostering innovation. Contributed key features for Microsoft, Adobe, Disney, and BBC, driving business success.

- Led front-end re-engineering, boosting performance by 9.5x and reducing memory consumption by 4x. Introduced modular architecture, enabling seamless integration of mini-applications.
- Redesigned and developed a modular, scalable uploader for large digital assets, integrating advanced security features and real-time feedback, becoming a critical component of the platform.
- Developed innovative Support Partners products for NAB Show, which generated significant interest from major media organizations.

### Senior Frontend Developer

Jan 2021 - Jan 2022

[Graph](#) | Remote

Enhanced performance, streamlined codebase, and delivered new features. Facilitated cross-team collaboration and problem-solving, driving key improvements in AIR.

- Implemented critical optimizations and refactoring, enhancing system responsiveness and maintainability.
- Tailored and optimized the system to meet client-specific needs, enhancing both UX and performance.
- Led development of a high-performance media upload platform, reducing time-to-live for critical news content.

### Senior Frontend Engineer (contract)

Aug 2020 - Dec 2020

[actiTIME](#) | Remote

- Increased user productivity by enhancing Project Tracking and Team Management features, resulting in more efficient workflows and improved team collaboration.

### Teacher of the course "Python Developer"

Nov 2017 - Dec 2020

[GeekBrains](#) | Remote

Educated 200+ students in Python, emphasizing critical thinking, adaptability, and hands-on application of coding skills to solve real-world challenges.

- Educated over 200 students with an average course rating of 4.8.
- Contributed to a 70% job placement rate among graduates.

### Software Engineer

Jul 2019 - Aug 2020

Freelance | Self-Employed | Remote

Delivered frontend solutions in med-tech and e-commerce, optimizing performance, UX, and scalability for short-term contracts.

## Projects

### StateManjs

Nov 2022 - Present

Lightweight (3.1 KB), high-performance, framework-agnostic state management library for JavaScript and Node.js, designed to enhance scalability, flexibility, and efficiency in complex applications.

- Outperforms Redux and MobX, especially with large datasets.
- Used in projects for Microsoft, Adobe, Disney, and BBC.
- Organically grown to 70,000+ downloads per month without any formal promotion.
- Works with any JavaScript or TypeScript application.
- Unique Controlled State Management.

### EBEXJS

Aug 2023 - Present

EBEXJS (Event Bus Executor) is a lightweight (1.4 KB), high-performance event bus for managing event-driven architecture in JavaScript and TypeScript applications.

- Priority-Based Event Queue.
- Supports middleware, concurrent and sequential processing, and async/await functionality.

### Grimoire CSS

Sep 2023 - Present

A high-performance styling framework inspired by magical spells, designed for web and application development.

- Spell System: Allows defining compound classes with properties, media queries, and effects in one syntax.
- No CSS Limits: Fully supports CSS, including animations, complex selectors, and SCSS-like mixins.
- Performance Optimized: Built in Rust for fast parsing, parallel processing, and efficient production builds.
- Cross-Language Usability: Spells can be used in JavaScript or any text-based file via macro-like structures.

## Volunteer Experience

### Founder | Teacher

Jan 2017 - May 2017

*RoboCoders*

Founder and leader of RoboCoders, a free coding club for children (8-12), where I taught programming with Scratch. Fostered a collaborative learning environment, encouraged creativity, and developed personalized teaching approaches to motivate and guide students through problem-solving and coding fundamentals.

## Core Skills

JavaScript/TypeScript, React/Svelte/Solidjs/Next.js, HTML/CSS/SASS/Tailwind CSS, UI/UX/Responsive Design, SSR/SSG, Webpack/Vite/Rollup/Make, Performance, Testing, Redux/MobX, Material UI/Fluent UI, Node.js, REST APIs/GraphQL, Architecture/SOLID/OOP/FP, WebAssembly, CI/CD, Docker, AWS, Python, Rust, SQL/NoSQL, Dart/Flutter, Front End, Back End

## Education

### Magnitogorsk State Technical University named after G.I. Nosov (MSTU)

Sep 2012 - Jul 2016

**Bachelor** Architecture

## Awards

### Senior Member

Jul 2024

*IEEE*

Only 10% of IEEE's more than 450,000 members hold this grade