

## ANDREI LOPATIN

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### PROFESSIONAL SUMMARY

*Senior Frontend Engineer skilled in React.js, Redux, TypeScript, and web technologies, specializing in scalable, high-performance products for millions of users. Expert in optimizing ad performance, intuitive UI development, and workflow efficiency. **Work permit, digital nomad;** open to remote, contract, or on-site opportunities. Collaborated closely with backend engineers; strong team player; able to work independently to solve tasks efficiently and make fast decisions. Applied Agile methodologies to manage project workflow.*

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### CORE SKILLS

**Frontend Development:** TypeScript, JavaScript, HTML5, HTML, CSS, React.js, React, Redux, Styled Components, Progressive Web Apps, Single Page Applications, Responsive Web Design, Mobile-First Design

**UI/UX & Performance:** UI/UX, User Experience Enhancement, Performance Optimization, Code Reusability, Component Architecture, Cross-Platform Compatibility

**Testing & Quality Assurance:** Jest, Testing Frameworks, Unit Tests, E2E, Code Coverage Improvement, Code Coverage

**Development Workflow:** Git, Continuous Integration, Code Review, Legacy Code Removal, ChatGpt, Copilot, Cursor

**Build & Integration:** Webpack, Browser APIs, Cross-Project Integration, File Uploading, MySQL

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### WORK EXPERIENCE

**Muse Group** | Oct 2022 – Present, mu.se: Ultimate Guitar, MuseScore, Audio - MAU > 20M, 300+ employees  
*Senior Frontend Developer*

Developed ads frontend, optimized ad performance, improved efficiency, **grew revenue 10% per year.**

Team: 8 frontend, 4 backend;

- Increased ad visibility by 4% year-over-year by resolving loading order issues, enhancing user engagement and ad performance
- Improved ad load speed by 10% by reducing unused code and eliminating unnecessary bids in prebid calls
- Enhanced ad loading speed by 5% through targeted performance optimizations, directly increasing revenue
- Maintained project milestone delivery by setting weekly goals and adapting workflows for distributed teams
- Implemented proactive monitoring to minimize financial losses by quickly identifying and addressing issues
- Boosted revenue by optimizing banner and video advertising strategies
- Reduced support time and improved code reusability by modularizing components into a separate repository
- Set up CI pipelines for automated builds, testing, and deployment
- Increased efficiency in ad technology by introducing innovative workflow optimizations
- Conducted peer code reviews to ensure quality and maintainability

**VK** | Apr 2019 – Sep 2022, largest Russian social media platform, MAU > 130M, 10k+ employees

*Senior Frontend Developer*

Project: cloud.mail.ru - cloud storage like google drive, MAU > 40M, team: 5 frontend, 1 design, 2 backend engineers;  
Developed file uploading, added seamless upload feature, improved performance, removed legacy code

**Promoted from Mid-Level to Senior.**

- Enabled file uploads via Ctrl+V hotkey, **increasing uploads by 4%**
- Delivered seamless file upload with progress tracking and error handling; enabled automatic resume after reloads

- Revamped file upload UI by migrating from legacy code to React for better user experience
- Optimized site performance by addressing bottlenecks for faster workflows
- Refactored legacy code to reduce technical debt and improve maintainability
- Standardized deployment workflows with operational runbooks; authored SDK documentation for internal teams
- Collaborated with frontend engineers and backend leads on feature rollouts; supported onboarding; conducted technical interviews

#### *Frontend Developer*

Project: online cinema, from scratch; Team: 5 frontend, 1 design, 1 backend engineer;

Implemented video player from scratch, made SDK for integration and achieved 3x more traffic.

- **Led development, designing component and state architecture from scratch**, ensuring reusability for maintainability and scalability
- Optimized UI performance by implementing virtualization for long movie lists, enhancing rendering efficiency and UI smoothness
- **Reduced website load times by 30%** through lazy loading and optimized resource delivery
- Developed a video player SDK for cross-project integration; increased video impressions threefold and drove revenue growth
- Self-driven project: created an LG Smart TV app as a team project, showcasing content and video lists while expanding technical capabilities

**IVI** | Aug 2017 – Apr 2019, largest Russian online cinema, MAU > 60M, 600+ employees

#### *Frontend Developer*

Improved ad video player, **increased revenue from ad by 4%**, player on mobile web. Team: 10 frontend, 3 backend;

- Developed an HTML5 video player for iOS Safari 10+ and Android browsers; increased ad impressions by 5% via cross-platform compatibility
- Integrated VAST 3.0 support into the ad player to expand format support and improve demand fulfillment
- Boosted performance by modularizing the codebase into smaller modules to improve load times
- Developed and optimized an HTML5 video player for iOS Safari 10+ and Android web browsers, increasing ad impressions by 5% through enhanced cross-platform compatibility
- Led migration of ad logic to a Redux-based state management system, establishing a scalable and maintainable architecture
- Enhanced code reliability by implementing comprehensive unit tests and detailed documentation, improving code coverage and easing onboarding

**Stack** | Feb 2014 – Aug 2017

*Junior Frontend Developer*

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#### **EDUCATION**

**Yaroslavl State University**, Yaroslavl, Russia | 2011 – 2015

Bachelor of Science in Applied Mathematics and Computer Science

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#### **CERTIFICATIONS**

Problem Solving 2020, Javascript Intermediate 2025, Frontend React 2026 - HackerRank

**Hobbies:** Passionate about cycling and football; love combining sports with good company.