Alina Sireneva // Software Engineer

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INTRODUCTION

Software engineer with experience across frontend, backend, mobile, and DevOps, with a strong focus on reliable client applications, developer tooling, and networked systems. Experienced in building maintainable products across web and Android, optimizing performance, and working with complex APIs and protocol-heavy systems. Interested in privacy, infrastructure, AI, and emerging technologies.

COMMERCIAL EXPERIENCE

Yandex (HR Tech) Moscow, Russia
Interface Developer *2022 – 2026 (3.5 years)*
Worked on various internal HR services related to compensations and benefits

- Expanded internal design-system and UI components library with **20+ new components**
- Contributed to frontend infrastructure and CI, improving average runtime **by 10-15%**
- Introduced server-side translations for instant updates, reducing developers' load by **up to 10h/mo**
- Led Webpack to Vite migration, decreasing build time by **up to 20%**
- Migrated from Jest to Vitest, improving DevEx and decreasing CI time by **up to 60%**
- Refactored **3 services** from a monolith to a micro-frontend architecture
- Optimized multiple data-heavy applications resulting in **20-30% performance boost**

Tech stack: React, Redux, RxJS, Vitest, Hermione, Storybook, Node.js

NDA (Messenger) Remote
Frontend Developer (Contractor) *2025 – 2026 (1 year)*

- Implemented numerous new app features, maintaining feature parity with mobile clients
- Contributed to migration of the codebase from vanilla JS to SolidJS
- Ensured cross-browser compatibility and responsive design across all new and existing features, maintaining a consistent user experience on desktop and mobile web.

Tech stack: Web Components, SolidJS, SCSS

PERSONAL PROJECTS

mtcute – a Telegram MTProto library
MTProto (Telegram API) library and bot framework in TypeScript with performance in mind.

- Achieved **40%** faster message processing compared to alternative libraries using efficient data structures and algorithms, as well as using **WebAssembly** for performance-critical routines
- Ensured support for both Node.js and browser via **end-to-end testing** (**~80%** code coverage)
- Built a custom network abstractions library to seamlessly support all runtimes
- Integrated **AI tools**, automating repetitive migration tasks and reducing manual maintenance required
- Library is being used in enterprise-grade commercial products

inugram – Telegram for Android fork
Forked and extended a production-scale Android messaging client with extensive UX, performance, and functionality improvements, working across a large native codebase with networking, storage, notifications, and platform-specific behavior.

SKILLS & INTERESTS

Frameworks: Next.js/Remix (React), Nuxt (Vue), SolidStart, Astro, tRPC, React Native
Libraries: Fastify, Nest, Express, jest, vitest, DrizzleORM, TypeORM, Prisma
Databases: PostgreSQL, MariaDB, MySQL, SQLite
Tools & Platforms: REST, GraphQL, CI/CD, Docker, NixOS, Git, HTML, CSS, OOP, SOLID, Android
Language: English - Fluent (C1); Russian - Native
Interests: AI/ML, AR and VR, developer tools and libraries, DevOps, JavaScript ecosystem growth and performance, application security and reverse-engineering