

Andrii Tsapko

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SUMMARY

Senior Frontend Engineer with 7+ years of experience building data-intensive applications and high-traffic web platforms used by millions. Specialized in React/TypeScript architecture, Core Web Vitals optimization, accessibility (WCAG 2.1), and real-time data visualization. Owned end-to-end delivery for analytics and reporting dashboards in Microsoft Security Copilot. Turn complex data and product requirements into fast, accessible, reliable, and polished product experiences at scale.

SKILLS

Core: JavaScript, TypeScript, React, Next.js, Node.js, HTML, CSS

Architecture: Micro-frontends, React Query, Redux, Zustand

Quality: Core Web Vitals, accessibility (WCAG 2.1, ARIA), Jest, React Testing Library

Tooling: GitHub, GitLab, CI/CD, Azure, AWS

EXPERIENCE

Senior Frontend Engineer

Oct. 2024 – Nov. 2025

Microsoft - Security Copilot (contract)

Redmond, Washington

- Cut initial dashboard load time 2x by removing redundant requests and introducing pagination + cache-friendly fetching for data-heavy views.
- Improved accessibility across key dashboards (WCAG 2.1) by fixing contrast issues, keyboard navigation, and ARIA semantics for tables, filters, and charts.
- Hardened dashboards for high-volume evaluation traffic by reducing render hotspots and stabilizing real-time UI updates, improving responsiveness during peak data loads.
- Reduced report generation time by 50% by optimizing the Kusto query layer, cutting wait time for Security Copilot dashboard reports.
- Eliminated recurring analytics outages by rewriting memory-heavy Kusto pipelines (multi-join + sampling) to stay under the 5GB cap, restoring reliable reporting for evaluation and data-labeling workflows.

Senior Software Engineer

Aug. 2021 – Aug. 2024

Ciklum

London, UK

- Led the migration to React micro-frontends across multiple e-commerce sites. Unified UX for search, calendar, and promo modules, increasing module interaction rate by 30%.
- Cut local dev setup from hours to 2 minutes by enabling isolated micro-frontend runs and streamlining the development environment.
- Partnered with PM/Design/Backend to translate roadmap needs into micro-frontend boundaries and integration contracts, reducing cross-team rework and improving delivery predictability.
- Authored onboarding docs and architecture guidelines for the micro-frontend platform, speeding up ramp-up for new engineers and reducing support load on senior devs.
- Mentored 2 interns through onboarding and delivery (one promoted to mid-level, one transitioned to product management).

Software Engineer

Oct. 2020 – Aug. 2021

EVO

Kyiv, Ukraine

- Boosted Core Web Vitals and increased Lighthouse performance score by 35 points.
- Improved accessibility and SEO fundamentals (semantic HTML, keyboard navigation, screen reader support) across core pages.
- Migrated a large CoffeeScript legacy codebase to React + TypeScript, improving maintainability and cutting build time 50%.
- Reduced security findings by adding CSRF protection and strengthening input sanitization/validation, lowering reported vulnerabilities by 40% (SonarQube).

Frontend Engineer

Feb. 2020 – Oct. 2020

Support Your App

Kyiv, Ukraine

- Led the delivery of an early-stage product (cross-functional team of design, frontend, and backend), taking it from planning to release.
- Built 50+ complex forms with custom validation, improving data quality and reducing invalid submissions by 30%.
- Built a 4-stage GitLab CI/CD pipeline with deployment automation and E2E checks, significantly reducing release risk and improving deployment consistency.

EARLIER EXPERIENCE

Frontend Engineer

Dec. 2017 – Nov. 2019

Perception Box, Geniusee

Odesa and Kyiv, Ukraine

- Maintained and extended a production AngularJS application for an enterprise client (Delta Air Lines), and built internal admin tools in React (Ant Design, GraphQL, Apollo).

COMMUNITY/OSS/WRITING

- **Open source:** 4 merged PRs improving accessibility in UCL-ARC documentation python-tooling. Reported and helped validate upstream a11y issues in Just the Docs.
- **Speaking:** SeattleJS 2025 — *Why Web Accessibility Matters to Everyone*.
- **Writing:** How accessibility failures quietly cost brands 15% of revenue. (Jan 2026)

EDUCATION

National Telecommunications Academy

(now State University of Intellectual Technologies and Telecommunications)

Odesa, Ukraine

Master's in Economics

Sep. 2011 – Jun. 2014