Maksym Koval

Senior Frontend Engineer | React, Next.js, TypeScript



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Summary

Senior Frontend Engineer with 7+ years of experience building data-heavy web applications with React, Next.js and TypeScript, plus commercial Angular. Most recently the sole frontend engineer on a pharma analytics platform at IntellectEU, owning frontend architecture, coding standards and delivery end to end, with 90% test coverage on critical flows. Strong in dashboards, complex tables, charts, real-time interfaces with WebSockets, accessibility and testing with Playwright, Jest and React Testing Library. AI-native workflow: delegates multi-step tasks to Claude Code with project rules, reviews every change, and turns repeated agent mistakes into rules and automated checks. Works directly with CEOs, product and client stakeholders in English.

Intro video (1 min) of how I work: https://www.loom.com/share/652d8575d73e4d0ab2ce6921dd7c1b67

Skills

Languages and frameworks: TypeScript, JavaScript (ES6+), React, Next.js (App Router, SSR), Angular, RxJS, HTML5, CSS3, SCSS, Tailwind CSS
State and data: Redux, Redux Toolkit, RTK Query, Redux-Saga, TanStack Query, Zustand, NgRx, REST APIs, WebSockets
Forms and validation: React Hook Form, Formik, Zod, Yup
UI and data visualization: Material UI, MUI X Charts, Ant Design, DevExtreme, Storybook, Recharts, D3.js, design systems, responsive design
Testing and quality: Playwright (E2E), Jest, React Testing Library, accessibility (WCAG 2.2 AA, ARIA, axe), SonarQube, code review
Performance: Core Web Vitals, code splitting, lazy loading, memoization, rendering optimization
Tooling and cloud: Vite, Webpack, Turborepo, Git, GitHub, Docker, AWS Amplify, Vercel, Sentry, Jira, Confluence, Figma
Backend (own projects): Node.js, NestJS, Express, PostgreSQL, Prisma, JWT
AI: Claude Code (project rules, skills, hooks, MCP), Claude API, Vercel AI SDK, AI-assisted development

Work Experience

Senior Front-End Engineer, *IntellectEU* 10/2024 – 09/2026

Pharmalytiq: healthcare analytics platform that turns pharmaceutical commercial and medical data into dashboards, reports and visualizations.

- Joined an existing data-dense analytics product as the sole frontend engineer and owned its architecture from then on: coding standards, code review, delivery and production support.
- Developed the component-driven UI with React, TypeScript, Redux and Material UI, adding reusable components, shared patterns and conventions that kept the codebase maintainable as the product grew.
- Delivered large tables, filters, dashboards, reports and MUI X Charts visualizations on top of REST APIs, with request cancellation on filter changes to keep results consistent.
- Implemented role-based access for multiple user groups and Microsoft SSO (My Apps) with token exchange.
- Introduced AI-assisted development: Claude Code with project rules in Markdown files and an agent-driven migration of class components to functional components, with every diff reviewed before merge.
- Set up linting, formatting and tests for critical user flows, reaching 90% test coverage; mentored a frontend developer through code reviews and pair programming.
- Turned ambiguous requirements into well-scoped features together with backend engineers, QA and product stakeholders.

Stack: React, TypeScript, Redux, Material UI, MUI X Charts, Formik, Yup, REST API, Microsoft SSO, Docker, Git, Jira, Claude Code

Software Engineer (Frontend), *GreenM* 08/2022 – 09/2024
Lviv

- **Trevise (AI):** built a customer feedback analysis platform from scratch with React and Next.js, working one-on-one with the CEO; processed large inputs in chunks so results appeared progressively.
- **BidThisProperty (US real estate):** built the real-time WebSocket layer of a live property auction together with another developer, keeping all participants in sync; built an admin configurator for client-specific sites.
- **NRC (healthcare):** modernized a 10+ year old Angular app: upgraded it from Angular 14 to 16 to unblock long-standing bug fixes, then migrated to standalone components, rewriting parts of the code. Added tests for critical flows, refactored core modules and introduced proper dependency injection. Developed and extended shared component and chart libraries, including D3.js.
- Wrote unit and end-to-end tests with Playwright across projects.

Stack: React, Next.js, Angular, TypeScript, Redux, RTK Query, TanStack Query, Zustand, NgRx, RxJS, Zod, WebSockets, D3.js, Tailwind CSS, Ant Design, Playwright, SonarQube, AWS Amplify, NestJS

Frontend Developer, *SmartTek* 05/2021 – 08/2022

Coredge: cybersecurity SaaS that monitors and manages malicious activity in real time.

- Built client and admin dashboards that surface real-time threat data clearly for security teams.
- Delivered features and resolved production issues in a fast-moving startup; mentored a junior frontend developer.

Stack: React, Redux, Redux-Saga, TypeScript, SCSS, React Testing Library, Yup

Frontend Developer, *Monopoliya* 05/2020 – 05/2021

Internal SaaS for managing invoices, requests and documents.

- Led frontend development and built complex data-grid interfaces with React and DevExtreme for business workflows.
- Built an in-app JSON editor with error highlighting and validation, replacing a manual process with external tools.

Stack: React, JavaScript, DevExtreme, LESS, jQuery

Markup Developer, *Freelancer.com* 06/2019 – 06/2020

- Converted Figma, XD and PSD designs into pixel-perfect, responsive, cross-browser HTML, CSS and JavaScript for international clients.

Projects

Craftlum, *LLM observability dashboard template, own commercial product* 2026

Designed, built and launched solo: a Next.js 16 dashboard for LLM apps and AI agents with 17 screens covering traces with a span waterfall, sessions, prompt versions with diffs, evals, costs and models. React 19, TypeScript, Tailwind CSS v4, Recharts; typed SSR-safe data layer, URL-synced filters, hand-tuned light and dark themes. Sold online via Paddle. Live demo: demo.craftlum.com
craftlum.com

Fullstack Auth, *Full-stack monorepo with layered architecture* 2026

NestJS, Prisma, PostgreSQL and JWT API with a React, Vite and TypeScript frontend; Sentry, Docker; deployed on Vercel and Railway.
fullstack-auth-app-web.vercel.app

Certificates

Anthropic: Building with the Claude API — https://verify.skilljar.com/c/omxu95pa6ucz
Anthropic: Claude Code in Action — https://verify.skilljar.com/c/gywskd5gjnew
Anthropic: Claude code 101 — 2026 | https://verify.skilljar.com/c/rfbiyfcvnaat
Udemy: Nest.js — 2025
AWS: cloud practitioner — 2023
Udemy: Angular course — 2023

Education

Master's degree in International Economy, *Ivan Franko National University of Lviv* 2014 – 2020

Additional info

Languages
English - B2, Spanish - A2, Ukrainian - Native.