Best Technology Talent For Companies Around The World

ncube

Mykhailo

Senior Full Stack Engineer

Summary

Senior Full Stack Engineer with 10+ years of experience delivering frontend-heavy web and desktop products. Deep expertise in React, TypeScript, Node.js, and Electron, with hands-on experience spanning UI architecture, backend APIs, local persistence, real-time integrations, resumable uploads, cloud delivery, and automated quality workflows. Comfortable owning features end to end while keeping reliability and user experience central.

Most recently built a cross-platform Electron desktop application for real-time computer vision and video monitoring: integrated low-latency WHEP/WebRTC video with synchronized WebSocket device data, implemented rolling pre-buffer recording with instant replay and timeline navigation, and designed a resilient TUS-based resumable artifact upload system with SQLite-backed persistent state. Prior engagements include standardising React Query patterns and refactoring core features at nCube, and building E2E-tested Next.js product features.

Actively uses AI-assisted coding workflows and agentic tools (Codex, ChatGPT, OpenCode, MCP) to accelerate development.

TECHNICAL SKILLS:

- Frontend: React, TypeScript, JavaScript, Next.js, Electron, HTML5, CSS3, Material UI, Styled Components
- Backend: Node.js, Express, NestJS, Sails, REST, GraphQL, WebSockets, TUS
- Data: PostgreSQL, MongoDB, SQLite
- Real-time: WebRTC, WHEP, WebSockets, TanStack Query
- Cloud & DevOps: AWS, Google Cloud, Docker, GitHub Actions, Firebase, Cloud Run, Jenkins, Vite, Webpack
- Testing: Jest, React Testing Library, Playwright, Cypress, smoke testing, strict TypeScript checks
- AI: Prompting, AI-assisted coding, agentic workflows (Codex, ChatGPT, OpenCode), MCP

Professional Career

Senior Software Engineer

November 2025 – September 2026 | Lviv, Ukraine

Project Info:

Cross-platform Electron desktop application for real-time video monitoring, recording, and synchronized stream data visualisation for a computer vision use case.

Responsibilities:

- Built the application with Electron, React, TypeScript, Vite, and Node.js runtime capabilities, using a maintainable architecture across renderer and main processes
- Developed Node.js REST API endpoints to support the Electron application and connect desktop workflows with backend services
- Integrated low-latency WHEP/WebRTC video and synchronised it with real-time device data received over WebSockets
- Implemented recording with a rolling pre-buffer, instant replay, timeline navigation, live-stream recovery, and switching between live and buffered playback
- Designed a resilient artifact upload system using TUS and SQLite with pause/resume, retries, interrupted-upload recovery, and persistent upload state
- Implemented safe recording finalisation during application shutdown, window closing, and OS suspend events to reduce corrupted or incomplete files
- Added connection monitoring, stale-data detection, automatic reconnection, error recovery, automated restart and smoke-test workflows, and strict TypeScript checks

Software and technologies:

Electron, React, Next.js, TypeScript, Vite, Node.js, WebRTC, WHEP, WebSockets, TanStack Query, Material UI, SQLite, TUS, Jest, React Testing Library

Senior Frontend Engineer

October 2024 – October 2025 | Lviv, Ukraine

Project Info:

nCube: Standardising data-fetching patterns, refactoring core features, and strengthening release quality through targeted test coverage.

Responsibilities:

- Standardised React Query patterns for query keys, cache and stale times, retries, and prefetching, reducing duplicate requests and making loading and error states consistent

- Initiated and completed a refactor of a core feature, improving extensibility, maintainability, and readability while reducing future development effort
- Proposed improvements to feature design that made the UI more intuitive and the codebase more consistent
- Strengthened release quality with focused Jest and React Testing Library coverage for critical paths

Software and technologies:

React, Next.js, TypeScript, TanStack Query, Material UI, Jest, React Testing Library

Senior Full Stack Developer

November 2023 – June 2024 | **Lviv, Ukraine**

Project Info:

Built and maintained product features for a Next.js application with a strong focus on user experience, test coverage, and cross-functional collaboration.

Responsibilities:

- Collaborated with cross-functional teams to design and deliver new product features with a strong focus on user experience
- Implemented responsive and adaptive UI components for Next.js applications, improving usability across screen sizes
- Developed and maintained E2E and unit test suites for critical user journeys using Playwright and Jest
- Worked with stakeholders, product managers, and designers to translate requirements and user feedback into technical solutions
- Maintained code quality through reviews, best practices, and clear feature documentation supporting onboarding and knowledge transfer

Software and technologies:

React, Next.js, TypeScript, GraphQL, Jest, React Testing Library, Playwright

Software Engineer

September 2019 – September 2023 | **Lviv, Ukraine**

Project Info:

Built frontend-heavy React and Next.js product features and integrated services from multiple internal systems.

Software and technologies:

React, TypeScript, Next.js, Node.js, Jest, React Testing Library

Software Engineer

November 2017 – August 2019 | **Lviv, Ukraine**

Project Info:

Implemented React features, Node.js and Sails endpoints, and PostgreSQL-backed data flows within a Jenkins delivery pipeline.

Software and technologies:

React, TypeScript, Node.js, Sails, PostgreSQL, Jenkins

Software Engineer

September 2016 – October 2017 | **Lviv, Ukraine**

Project Info:

Developed React Native features and integrated REST services, Firebase workflows, and Redux state management.

Software and technologies:

React Native, Firebase, Redux, REST

Software Engineer

August 2015 – August 2016 | **Lviv, Ukraine**

Project Info:

Delivered client and server features with React, AngularJS, Node.js, Express, MongoDB, and Firebase.

Software and technologies:

React, AngularJS, Node.js, Express, MongoDB, Firebase

Education

Khmelnytsky National University, Ukraine

Bachelor’s Degree in Computer Engineering

Foreign Languages Skills

Ukrainian: Native

English: Advanced