

VLAD FEDOROV

Frontend Engineering

React Engineer with 7+ years of experience building data-heavy, complex SPAs for Oil & Gas, GovTech, and E-commerce. Improved page load performance by 40% through optimized data fetching and state synchronization. Enabled 50% faster anomaly response by integrating WebGL spatial visualization with real-time AI alerts. Built a streaming AI assistant for a German government platform, reducing the load on human support agents. Designed scalable SPA architectures and base module templates that accelerated team delivery by 30%.

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- Rivne, Ukraine

WORK EXPERIENCE

- **React Engineer (govITConsult) | Heaven Soft** Nov 2025 – Present
 - Built a streaming AI assistant (SSE) with RAG knowledge base and internet search, automating first-line regulatory support for government users.
 - Designed and implemented a real-time chat infrastructure using matrix-js-sdk and Stomp, supporting 1:1, group, and project-based rooms with video conferencing integration.
 - Implemented multi-language architecture (German/English) enabling platform adoption across German government agencies.
- **React Engineer (CleanConnect) | Honeycomb Software** Nov 2022 – Oct 2025
 - Built a Digital Twin interactive 3D facility interface for replacing manual inspections with remote surveillance. Real-time IoT monitoring, enabling autonomous methane leak detection for EPA-regulated US oil & gas operators.
 - Developed a NFT Marketplace for environmental assets, enabling transparent tracking and trading of ecological contributions and creating a new revenue stream for the product.
 - Integrated WebGL-based spatial visualization with real-time AI alerts via WebSocket, enabling operators to respond to equipment anomalies 50% faster than with legacy systems.
- **Magento Frontend Developer (Larcier, Champion) | Smile Open Source Solution** Mar 2021 – Nov 2022
 - Built Headless React PWA solutions on Magento 2 for high-traffic international retail clients. +58% mobile conversion, +26% desktop approx..
 - Engineered custom UI modules and themes, aligning complex e-commerce logic with brand-specific UX requirements with reducing time-to-interactive to 40% and loading 2.5-4x faster vs native Magento
- **Frontend Developer | 32x32 Design Studio** May 2018 – Mar 2021
 - Delivered 20+ web projects from scratch across E-commerce, Education, Media, and HoReCa, ensuring pixel-perfect responsive design and cross-browser compatibility.
 - Built and maintained Gulp and Webpack pipelines that automated routine tasks and reduced development time for the entire team.

SKILLS

Core Web Technologies:

JavaScript, TypeScript, HTML5, CSS3

Frameworks & Libraries:

React, Next.js, Redux Toolkit, Zustand, React-Query, RTK Query

UI & Visualization:

Tailwind, Shadcn, MUI, AntD, Flowbite, ChartJS, Plotly, WebGL, Headless UI, Sass, Less, Pug, Storybook, Figma

Testing:

Jest, Cypress, Playwright, React Testing Library

Backend & Tooling:

Node.js, Nest, Hono, Fastify, PostgreSQL, MongoDB, Prisma, Vercel, Docker, GitHub Actions, AWS, Webpack, Vite, Git

AI Integration:

Claude API (Anthropic SDK), SSE streaming, prompt engineering

EDUCATION

- Computer Academy "Step"
Department: Frontend development
Completed in 2018
- The National University of Water and Environmental Engineering
Department: Automation, electrical engineering and computer-integrated technologies
Completed in 2008

LANGUAGES

- **Ukrainian:** Native speaker
- **English:** B2 (Upper-intermediate)