



Vladimir Afanasev

Senior Frontend Developer

Tel Aviv, Israel · Open to relocation

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LINKEDIN

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Senior Frontend Developer, 12+ years. I build complex, high-performance web interfaces — from large single-page apps to 3D visualization on Three.js / WebGL. Deep TypeScript; comfortable dropping down to native browser APIs and WebGL when performance really matters. I'm equally comfortable with Node.js on the server side — REST APIs, session management, auth, server-side rendering, integrating external APIs and databases.

I've worked at both ends of the spectrum — small teams where a couple of engineers own the entire frontend, and corporations with hundreds of frontend developers — and I know how things get done in both. I prefer environments where one person can still ship a one-line fix without a committee, but I do understand why coding standards, shared practices, code review, security requirements and testing matter.

These days an ever-growing share of my code is written by LLMs — better to go through the technical interviews now, while I still remember how to write it myself.

EXPERIENCE

Senior Frontend Developer · Avride

Oct 2022 — Present

Autonomous driving & delivery robots · Tel Aviv, Israel · avride.ai

- Designed a **reusable React + nanostores architecture** that lets us spin up new internal services (data tables with filters and forms) quickly and consistently.
- Built an **interactive timeline as a standalone npm library** that renders **up to ~30k events on a single screen at 60fps** with smooth zooming; reused across several services.
- For the last 2 years, building a tool to **visualize and annotate 3D lidar point clouds** using Three.js / WebGL — the core data-labeling workflow for self-driving.
- Stack: TypeScript, React, nanostores, Three.js / WebGL, Vite, Playwright.

Senior Frontend Developer · Yandex Self-Driving Group

Apr 2021 — Oct 2022

Self-driving cars & delivery robots · Moscow, Russia · sdg.yandex.ru

- Owned the internal tooling that fleet & ops teams used daily — hardware configuration for cars and delivery robots, status / maintenance / planning dashboards, and rides-data visualization with event timelines.
- Single-page app in TypeScript & React, with native browser APIs in performance-sensitive parts, react-query, react-hook-form, Monaco editor and Jest.

Senior Frontend Developer · Detsky Mir

Dec 2019 — Apr 2021

Retail marketplace · Moscow, Russia · detmir.ru

- One of two developers who built the seller marketplace **frontend from scratch** — designed the SPA architecture that stayed easy to extend as the product and team grew.
- React / Redux stack; also contributed pull requests to the Node.js part maintained by a separate team.

Frontend Developer · Yandex Market

Apr 2016 — Dec 2019

Marketplace · Moscow, Russia · market.yandex.ru

- Built complex interfaces for the sellers' service — notably a delivery-setup UI computing time and cost by carrier, location, category, weight and price.
- Built an **embeddable widget** that had to run reliably inside third-party sites we didn't control — isolated styles and scope, resilient to any host page. React/Redux, Express, Jest, Selenium.
- Conducted **50+ technical interviews** for Yandex and mentored junior developers.

Frontend Developer · Pyrus

Aug 2015 — Apr 2016

Frontend of a task-tracker SPA (React) as part of a 5-person frontend team.

Frontend Developer · NETBYNET

Jun 2014 — Aug 2015

Sole frontend developer; built the Wifire brand site from scratch and maintained netbynet.ru.

HTML/CSS Developer · Info-Buhgalter

Aug 2013 — Jun 2014

First job in IT — built HTML/CSS documentation and experimented my way into JavaScript.

PERSONAL PROJECTS

Caloriu — calorie-tracking Telegram bot & mini app

t.me/caloriu_bot caloriu.com

Full-stack side project: a Telegram bot with a mini app for calorie tracking — you send a photo or a short description of your meal, the bot works out the calories via an LLM and keeps your daily count. Currently **~170 monthly active users**. Designed, built and operated end to end. GitHub access on request; the core architecture is open-sourced at github.com/loysagienn/service-template.

Dremuli — baby sleep tracker

dremuli.com github.com/loysagienn/dremuli

A web app that helps parents track their baby's sleep — logging naps and nights, and making day-to-day sleep patterns visible on an interactive timeline and charts.

Personal AI automation server

github.com/loysagienn/claude-tg

An Ubuntu VPS running autonomous coding agents (Claude Code and Codex) wired up with MCP tools, talking to me through a Telegram bot. I'm gradually turning it into my personal assistant: it can already send me an evening digest of important emails, check me in for a flight, or remind me about my mom's birthday — and I keep adding new capabilities.

Telegram JS contests

contest.com/user/Ace-Piranha

Competed in several Telegram JavaScript coding contests focused on high-performance vanilla-JS rendering — **won \$1,000** in one of them.

CORE STACK

TypeScript

JavaScript

React

Node.js

HTML

CSS

ALSO

State & data: Redux, Zustand, React Query, Nanostores, REST API, WebSockets

Build & tooling: Vite, Webpack, ESBUILD

Testing: Playwright, Jest, Vitest, Storybook

Server side: Express / Koa, MongoDB, PostgreSQL, SSR, OAuth, nginx

Performance & UX: SPA, PWA, Responsive Design, Browser APIs, Service Workers, IndexedDB, Three.js, WebGL

AI: Claude Code, Copilot, Codex, OpenAI API