

Viacheslav Zahorodnyi

Full Stack Engineer · TypeScript, Node.js, React, Vue/Nuxt

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SUMMARY

Full stack engineer with 5+ years of commercial experience in TypeScript, Node.js and React across GovTech, fintech/blockchain and product companies. I start from the business problem, not from the tools I already know, and learn the stack a project needs. Strong in domain modelling, performance work and rebuilding legacy systems. I use AI as a tool, not a replacement: LLMs and agentic coding are part of my daily work, and every change still goes through human review.

EXPERIENCE

Chief Technology Officer · Stanford Van Lines

Oct 2025 – Present

US moving company · Remote · Sole engineer; grew from support developer to owning the full tech stack

- Rebuilt a partly broken legacy website (Webflow export served as PHP on shared hosting) into a full stack TypeScript **Nuxt** app with edge SSR on **Cloudflare Workers**, improving performance and SEO indexing by **~10x**.
- Built an end-to-end lead attribution pipeline: UTM tracking, browser fingerprinting, device tracking and lead de-duplication.
- Added **LLM-based classification** of contact-form submissions with Cloudflare Workers AI (Llama 3.3 70B), separating real customer requests from promotions and spam.
- Integrated the lead flow with moving-industry CRMs (Granot, SmartMoving); together with the rebuild, inbound leads grew **10x+**.
- Built an autonomous bug-fixing pipeline: Sentry alerts trigger an n8n workflow that runs Claude Code in a container, fixes the issue on a branch and opens a GitHub PR for human review.
- Developed an interactive moving inventory calculator and Google Maps address autocomplete for the lead form.

Stack: TypeScript, Nuxt, Vue.js, Cloudflare Workers, Workers AI, Sentry, n8n, Claude Code, GitHub

Full Stack Engineer · NAIS (National Information Systems)

Nov 2023 – Present

State GovTech enterprise · Kyiv · Team of up to 8 engineers

- Develop a closed national government registry end to end: **Node.js/TypeScript** backend on **Oracle DB** and a **React** (Vite) frontend.
- Built core parts of an in-house backend framework (core library, domain layer, **custom ORM for Oracle DB**) designed to minimise open-source dependencies and supply-chain risk in government systems.
- Built a custom React form library for the application's many complex data-entry forms, plus reusable UI components and a breadcrumbs library to strict government requirements.
- Migrated legacy, inconsistent production data into the new system with validation and transformation that preserve data integrity.
- Implemented qualified electronic signature (QES) workflows and integrations with other government services and registries.
- Optimised Oracle queries behind PDF report and registry extract generation, speeding up document delivery to users.

Stack: TypeScript, Node.js, Oracle DB, React, Vite

Full Stack Engineer → Product Tech Lead · Ambisafe

Oct 2021 – Nov 2023

Blockchain fintech SaaS (fundraising and capital management) · Remote · Junior Full Stack Engineer until Oct 2022

- Migrated the frontend to **Next.js** with route-based localisation: page load time dropped by **80%** and pages were indexed in multiple languages.
- Rewrote the blockchain notification microservice from Python to **Node.js** with worker threads and AWS SQS: **180+ blockchain events/sec** with zero downtime.
- Migrated **40k+ users** from another wallet, including authentication, personal and blockchain data.
- Took on the Product Tech Lead role and mentored junior developers.
- Implemented cross-chain purchase of CELO tokens with Ethereum tokens, with per-transaction validation across a multi-transaction flow.
- Refactored auth, account recovery and KYC with abstract factory, builder and adapter patterns, so new client variants and KYC levels are easy to add; removed legacy code.
- Wrote 60+ pages of SaaS developer documentation (Nextra, MDX) and configured a PWA (Workbox).

Stack: TypeScript, React, Next.js, Node.js, GraphQL, AWS SQS, DynamoDB, Ethereum, CELO

Frontend Developer (contract) · Chrd.io

May 2022 – Jul 2022

- Built a React SPA with Framer Motion and Tailwind CSS, integrating a client-side MIDI engine and player for generated clips.

Full Stack Developer · Freelance

Feb 2021 – Oct 2021

- Built multi-language Next.js landing pages with headless CMS (Strapi, Prismic); set up CI and auto-deployment to VPS with Docker and Nginx.

OPEN SOURCE

filter-ast · @sirzag/filter-ast

github.com/Zagorodnyi/filter-ast

- Authored and open-sourced a zero-dependency TypeScript library that parses declarative filters (\$gt, \$in, \$between, nested \$and/\$or) into a database-agnostic AST for any query builder or ORM.
- Profiling-driven design: **4M+ filters/sec** on Node.js, up to 26M ops/sec on Bun. Dual ESM/CJS with types, MIT.

SKILLS

Core	TypeScript, JavaScript, Node.js, React, Next.js, Vue.js, Nuxt
Backend & data	Fastify, Express, GraphQL, microservices, PostgreSQL, MySQL, Oracle DB, DynamoDB
Cloud & tooling	Cloudflare Workers, AWS (SQS, DynamoDB), Docker, NGINX, CI/CD, Sentry, n8n
AI	LLM integration (Workers AI), agentic coding (Claude Code)
Practices	Domain modelling, design patterns, refactoring legacy systems, performance profiling, code review, technical documentation, mentoring
Learning	Go, Rust

EDUCATION

BA, Sound Engineering and Studio Music Production

National Academy of Managerial Staff of Culture and Arts, Kyiv · 2018–2022

Associate, Pianist & Music Teacher

Kherson Music College · 2018

LANGUAGES

Ukrainian: native

English: professional working proficiency