

Vasile Ropot

Front-End Tech Lead · React & TypeScript

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SUMMARY

Front-end tech lead with 8+ years across EdTech, Automotive, FinTech, and E-commerce - 4+ of them leading teams and owning architecture. Sole architect of a 49-package React 19 platform (16 deployable apps, ~56k lines of TypeScript) with CDN-first edge rendering and a four-environment CI/CD pipeline. Most recently led MyCademy's frontend team through six major Angular upgrades - 1,500+ pull requests authored, every team PR code-reviewed. Deep in performance under load: client-side data caching, route-level code splitting, service workers/PWA, bundle budgets, CDN caching and invalidation. Expert ReactJS, TypeScript, HTML/CSS/JavaScript. Fluent English; available for quarterly on-site travel across Europe.

CORE SKILLS

Frontend

React 19, TypeScript, JavaScript, HTML5, CSS3/SCSS, Angular (v6 → v21), Next.js, Astro, Tailwind CSS 4, Radix UI, Angular Material

Performance

CDN-first caching & invalidation (Cloudflare Workers), service workers / PWA, code splitting, lazy loading, bundle analysis, Core Web Vitals

Testing

Vitest, Jest, Cypress, Playwright, Storybook

Architecture & state

Turborepo & Nx monorepos, design systems (atoms → fields → features), TanStack Query, Zustand, NgRx/Redux, OpenAPI + Orval typed clients, Zod

CI/CD & ops

GitHub Actions (dev/tst/stg/prd), Bitbucket Pipelines, Docker, AWS, quality gates (ESLint, Prettier, Qodana static analysis)

Collaboration

Agile/Scrum, Jira, Confluence, code-review leadership, mentoring, stakeholder communication

EXPERIENCE



Founder & Full-Stack Architect - Professional ID (personal project)

Feb 2025 – Present

Personal product designed and built end-to-end in my free time - React 19, TypeScript, Cloudflare edge

- Sole architect and developer: 49-package Turborepo monorepo, 16 deployable apps, ~56k lines of TypeScript, ~1,700 commits.
- Built 4 production React 19 SPAs (Vite 7, TanStack Query, Zustand, Radix UI, Tailwind 4) on a layered internal component library (atoms → fields → features).
- Edge-rendered public pages on Cloudflare Workers (Hono) with a CDN-first caching and invalidation strategy for fast global first paint under load.
- End-to-end type safety: OpenAPI → generated typed API clients (Orval) and Zod schemas shared across frontend and backend.
- Visitor cookie-free analytics pipeline on ClickHouse + Valkey feeding profile insights - data-driven product decisions.
- Full delivery pipeline ownership: GitHub Actions CI/CD across four environments (dev/tst/stg/prd); Astro marketing site; Fastify/Node.js services; Prisma/PostgreSQL.

EXPERIENCE (CONTINUED)

- **Frontend Tech Lead - MyCademy** (EdTech SaaS) Jan 2024 – Jul 2026 · Remote
Learning platform for the Dutch market - Angular, team of ~9, English-speaking
 - Technical lead for a 4,000+ file, ~100k-line TypeScript Angular platform; owned architecture decisions and the upgrade path across six major versions (Angular 15 → 21).
 - Led 3 frontend developers: authored 1,500+ pull requests and ~60% of frontend commits, ran code review on every team PR, mentored through pairing and review feedback.
 - Owned frontend performance: TanStack Query client-side caching (150+ files), route-level code splitting across ~130 lazy-loaded routes, OnPush + signals change detection, service-worker asset caching (PWA), bundle-size monitoring on every release.
 - Implemented dynamic Material theming (light/dark) across the design system; built draft autosave eliminating lost form progress in multi-step flows.
 - Shipped bilingual UX (EN/NL) and OAuth2/OIDC single sign-on.
 - Owned CI/CD on Bitbucket Pipelines with Docker deploys to AWS; enforced quality gates with Qodana static analysis and bundle-size monitoring.
- **Senior Frontend Developer - Renault Group** (contract) Dec 2021 – Jan 2024 · Remote
Automotive - Renault Group web applications, distributed team of ~15
 - Frontend development across Renault Group web applications (Angular 12 → 17).
 - Led a 3-developer frontend sub-team: quarterly frontend roadmap planning with the PM and business analyst, code reviews, release notes for every frontend release.
 - Delivered sprint-end feature demos to European business stakeholders; ran business/production deployments with documented, repeatable release steps.
 - Consolidated 3 Angular apps into an Nx monorepo with a shared UI library - removed ~70% of duplicated code and simplified the architecture.
- **Frontend Developer - Software Mind** May 2020 – Dec 2021 · Chişinău
FinTech - a trade-finance platform and a Canadian digital-vault product · Angular 9 → 12 · project teams up to 20+
 - Built configuration-driven UIs: a custom widget system rendering screens and views from backend configuration, so the product could reshape pages without code releases.
 - Cut large data-grid load times with viewport-based lazy-loading of API calls.
 - Brought 500+ routes to WCAG accessibility compliance; implemented RBAC & PBAC authorization with lazy-loaded modules.
 - Wrote unit tests as part of the daily workflow; developed components in Storybook.
 - Onboarded in under one week via Confluence documentation; Agile/Scrum delivery with Jira.
- **Frontend Developer - SensMedia** Nov 2018 – May 2020 · Chişinău
Software development company - client projects across media, e-commerce, and social platforms · Angular 6 → 9, WordPress, NestJS
 - Sole frontend developer on a widget-based, client-configurable e-commerce storefront - pixel-perfect from Figma, with weekly client calls to scope new features.
 - Built full-stack features on a civic campaigns & petitions platform for a national broadcaster (Angular, NestJS, PostgreSQL): posts, campaigns, petitions, route guards, social actions.
 - Created a rich-text (Quill) post-editor component; cut page load ~30% by reducing API calls.
 - Branch-per-task Git flow with senior-reviewed merge requests; daily stand-ups and client demos.

EDUCATION & LANGUAGES

Software Engineering - Technical University of Moldova 2018 – 2022
3 years completed of the 4-year English-taught program (FAF).
Languages: English - fluent · Romanian - native · Russian - professional