Dmytro Vasyliev

Senior Full-Stack Engineer

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Summary

I have **11+ years** of experience building web applications in React, Next.js, TypeScript and Node.js. For the past 4 years I have led the frontend at Doccle, a document platform used by **2.5M people**.

Frontend leadership: I joined Doccle as the only frontend engineer and led the move of the whole product from Grails and Angular to Next.js while shipping core features with backend engineers from several teams. At DasLab, as Technical Frontend Lead, I grew the team to **5 engineers** and set up code review, testing and releases.

Architecture: At Doccle I own the frontend architecture of the Nx monorepo and built its design system of **100+** accessible components, moved every app onto it and raised test coverage to **70-80%**. At Webjet I led the migration from AngularJS to Vue. At Blackbell I migrated old functionality from Backbone to Vue.

Features end to end: I shape scope with product owners and propose simpler solutions. At Doccle I built a complex payment widget that began the migration: prototype in **2 mo**, MVP in **6 mo**. It now runs in many apps and pages. At DasLab I chose the stack for 2 apps from scratch (patient booking, lab admin), behind **600K+** test results.

AI workflow: At Doccle my AI guidelines keep code consistent team-wide, backend included, and an agent takes a task from Jira to a merge request, which speeds up delivery and eases code review.

Skills

React · TypeScript · JavaScript · Next.js · Node.js · PostgreSQL · Vue.js · Nuxt.js · Jest · CI/CD · Cypress · Playwright · Storybook · Vitest · SSR · Design Systems · WCAG · TanStack Query · Claude Code · Nx Monorepo

Experience

Senior Frontend Engineer at Doccle

Sep 2022 - Present · Full-time Contract

> Project: **Doccle** - Digital document management platform used in Belgium by 2.5M people, integrated with 150+ companies.

- **AI workflow:** Sped up feature development and code review across the team with AI. AI coding guidelines I wrote cut review comments roughly 2-3 times, and an agent I built fixes most of them on its own.
- **Architecture:** Owned the frontend architecture and a large Nx monorepo of about five apps: made architecture decisions on complex features with the team, analysed technical debt and planned the fixes.
- **Leadership:** Joined as the only frontend engineer and led the frontend. Worked directly with the CTO, team leads and engineers across teams from grooming to release and code review.
- **Product focus & Features:** Shaped the scope with product owners: proposed simpler ways to build features and decided what to ship first. Built the core payment widget, now used in many apps and pages.
- **Performance & Data layer:** Kept pages fast with pagination, infinite scroll, parallel requests, optimistic updates, lazy loading and code splitting. Built the data layer on Next.js SSR with Node.js BFF endpoints that merge service data, and TanStack Query for caching. Ran the backend and MySQL locally and wrote SQL queries for test data.
- **Design system:** Cut duplicated UI code across the apps several times over by building a design system from scratch: 100+ accessible components on React Aria Components. Documented in Storybook, tested in Chromatic.
- **Migration:** Led the migration of the apps off legacy Grails and Java with an Angular frontend to Next.js and TypeScript, shipping new features without pausing delivery.
- **Quality:** Increased **test coverage to 70-80%** and automated test writing with Claude Code.

Skills: TypeScript, React, Next.js, TanStack Query, SSR, WCAG, Design Systems, React Aria Components, Playwright, Vitest, Storybook, CI/CD, Docker, Nx Monorepo, Claude Code, Node.js, AWS, MySQL

Technical Frontend Lead at ITernal Group

Oct 2020 - Jun 2022 · Part-time

> Project: **DasLab** - Diagnostics platform connecting patients with labs across Germany and Spain, 600K+ test results delivered.

- **Client:** Worked inside the client's team and directly with their CTO, from requirements to release. Made the technical decisions together with the CTO and worked with them on the scope.
- **Architecture:** As the lead, chose the technologies and designed the architecture of two apps built from scratch, a patient booking marketplace and an admin tool for labs, and decided how to build and launch them.
- **Leadership:** Led the frontend: planned tasks and scope, grew the team to 5 engineers, ran interviews and reviewed code. Set up the engineering process from scratch: Jira, code review, testing and releases.

- **Product focus & Features:** Built the complex features behind 600K+ delivered test results and helped the backend team create the Node.js API. Suggested faster ways to build features and what to put in the scope.
- **Quality:** Protected the core booking and provider flows with unit, integration and E2E tests and coverage reports.

Skills: TypeScript, React, Next.js, Redux, Vue.js, SSR, Nuxt.js, Vuex, Cypress, CI/CD, Node.js, Firebase, Auth0

Senior Frontend Engineer at N-iX **Sep 2019 - Dec 2021**

> Project: **Qualsafe** - UK awarding body for first aid qualifications, used by 2,500+ training providers including NHS Trusts.

- **Client:** Worked inside the client's team and directly with their project manager, from requirements to release: a small team of backend, frontend and QA on our side and a few developers on theirs.
- **Architecture:** Designed the frontend architecture across sub-projects on Vue.js and Nuxt.js with SSR, and covered it with unit and E2E tests. Made the architecture decisions on every major feature with backend and QA.
- **Leadership:** Owned the frontend engineering process: set up Jira and the team's workflow and automated parts of it. Mentored the client's junior frontend developer, reviewed code and gave product demos.
- **Product focus & Features:** Influenced the product owner's scope decisions and ran refinements and planning.

Skills: JavaScript, Vue.js, SSR, Nuxt.js, Vuex, Jest, Cypress, CI/CD, AWS, REST APIs

Frontend Engineer at N-iX **Oct 2018 - Aug 2019**

> Project: **Webjet** - Australian corporate travel platform for enterprise clients, built by a 150-person team across six countries.

- **Leadership:** Chose Vue over React for the migration and defended it to the teams. Ran Vue.js workshops for other teams, helped introduce the frontend guild and kept delivery aligned across six countries.
- **Product focus & Features:** As the team's only frontend developer, agreed API contracts with backend and got UI/UX improvements onto the roadmap. Delivered the search module on time for a critical client by simplifying it.
- **Migration:** Led the AngularJS to Vue.js migration and sped it up by teaching full-stack developers from other teams Vue.js. Introduced mock API services in the team to speed up frontend feature development.

Skills: JavaScript, Vue.js, Vuex, AngularJS, i18n, Jest, Storybook, CI/CD, REST APIs, Ruby on Rails

Frontend Engineer at Enkonix **Apr 2018 - Sep 2018**

> Project: **Heleot** - NY startup for 30-second video reviews of tech and gaming products. MVP delivered in 5 months.

- **Architecture:** Planned the frontend architecture on Vue.js and Nuxt.js with the team and took the app from first commit to MVP in 5 months, building reusable components from the designs, so new screens reused existing UI.
- **Features:** Shipped a Nuxt.js admin app to run the platform, a video player that trims uploads to 30 seconds, and authorization with role management. Worked with designers and backend and reviewed teammates' code.

Skills: JavaScript, Vue.js, SSR, Nuxt.js, Vuex, REST APIs

Frontend Engineer at Syndicode **Jan 2017 - Mar 2018**

> Project: **Blackbell** - White-label booking & service platform used by 200+ hotels and rental businesses, on web, iOS/Android.

- **Features:** Implemented Algolia search so users find content directly, and built screens for the React Native app. Integrated REST APIs with contracts agreed with backend and reviewed teammates' code.
- **Migration:** Led the migration of key parts of the product off legacy Backbone and Marionette onto Vue.js, rebuilding the UI on shared components used by 200+ businesses. Added unit tests around the components.

Skills: JavaScript, Vue.js, Webpack, Vuex, React Native, Backbone.js, Ember.js, Marionette.js, i18n, Jest

Past experience: Junior Frontend Engineer at Mil's and Freelance Full-Stack Engineer (2016), Freelance UI/UX Designer (2011-2015)

Side Projects

Course Creator on Udemy / Coursera: 235K+ students, 25+ courses on AI agents and web dev, 4.4+ rating.

Castly AI Agent: A system that helps plan my courses and records most lessons with an AI avatar, slides and AI voice. **Skills:** Python, PostgreSQL, Supabase, Multi-agent orchestration, MCP, FFmpeg

JobMatch AI Agent: An AI agent that scrapes job boards with Python, ranks roles against my preferences, tailors my CV and fills in application forms. **Skills:** Python, Notion API, Cloudflare Workers, Web scraping

Frontend Harness: An open-source Claude Code plugin that makes the AI agent test and fix its own code with instructions, hooks and checks, so I don't correct it after every step. It also learns from my fixes.

Education & Certifications

Master's and Bachelor's in Computer Science (2015 - 2019) at National University of Food Technologies

AI Literacy (2026), **Cyber Resilience: Advanced** (2025) at Phished · **Security White Belt** (2024) at Security Journey