

JÉRÔME DERBOVEN

Senior Fullstack Engineer Design Systems · AI Tooling

16 years of fullstack web development, with a strong focus on the TypeScript ecosystem: React, Next.js, Astro, Angular, and modern CSS. Daily user of AI coding tools.

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EXPERIENCE

March 2024 — present
BRUSSELS · MEDIA

Senior Frontend Engineer (Freelance)

RIM

- Fullstack development on the media monorepo: HonoJS + GraphQL microservices on the backend, Next.js and Astro apps on the frontend, all in React 19 and TypeScript with shared library management via NX.
- Built the multi-brand editorial component library powering the group's newspapers.
- Introduced a Component Registry Pattern to fix circular dependencies across NX libraries. Unblocked three frontend squads working in parallel and got Astro builds running in CI.
- Design-token pipeline (Tokens Studio → Git → Panda CSS presets): updates went from days to minutes, no more manual Figma handoffs.
- Daily use of Claude Code and Codex CLI for refactoring, codemods, and documentation.

React 19	Astro	HonoJS
Next.js	PHP	TypeScript
Panda CSS	NX	
Portable Text / Sanity	Storybook	
Playwright	Azure DevOps	

SKILLS

Frontend

TypeScript	React	Next.js
Angular	Astro	Panda CSS
Tailwind	Portable Text	Storybook

Backend & tooling

Node.js	NestJS	HonoJS	Fastify
tRPC	GraphQL	NX monorepos	
Vite	Vercel	Azure DevOps	

Testing & AI

Jest	Playwright	Cypress
Claude Code	Codex CLI	Refactoring
Codemods	Documentation	

LANGUAGES

French	native
English	C1 (fluent)
Dutch	A2

EDUCATION

Haute École Louvain-en-Hainaut (HELHa)

Bachelor · Information Management

2007 — 2010

May 2023 — February 2024

NIVELLES · CONSTRUCTION
SAAS

Senior Software Engineer

VERTUOZA

- Worked on the rebuild of Vertuoza, a SaaS platform for construction quotes and profitability tracking. Owned the invoice customization UI and profitability dashboards (React, Recharts, Tailwind).
- Co-designed GraphQL contracts with the backend team, shipping features end-to-end against a NestJS API.
- Set up Storybook and Jest conventions that the rest of the frontend team adopted.

React

Next.js

TypeScript

NestJS

GraphQL

Tailwind

Recharts

Storybook

Jest

August 2020 — May 2023

BELGIUM · CONSTRUCTION
IOT

Senior Frontend Developer

HERONTRACK

- Took over a fragile tool-tracking platform used by construction site managers and rebuilt it as an Angular + NX monorepo with NgRx, Jest, Cypress, and Storybook.
- Built a Fastify + tRPC service layer that consolidated multiple tag data feeds into one typed API.
- Mentored two junior frontend developers — RxJS patterns, state management, testing strategy.

Angular

TypeScript

RxJS

NgRx

NX

Fastify

tRPC

Tailwind

Jest

Cypress

Azure DevOps

Lead Senior Frontend
Developer

ALTISSIA

- Led the rebuild of a multi-tenant language-learning platform. Consolidated several legacy Angular repos into an NX monorepo organized by domain, giving each Scrum team clear ownership.
- Designed the multi-theme architecture that lets a single codebase serve 10+ white-label clients.
- Introduced NgRx for state management, Cypress for E2E, and Jest for unit tests.

Angular

TypeScript

RxJS

NgRx

NX

Webpack

Jest

Cypress

2010 — 2016
BELGIUM · BANKING, PUBLIC
SECTOR, PHARMA, AND E-
COMMERCE

Java / fullstack engineer

KNOWARE / PIXELIXIR

Early engineering roles for Knoware clients (Isabel, SWIFT, ONE, Pfizer, BNP Paribas Fortis) and at Pixelixir.

- Java and fullstack development for banking, public sector, pharma, and e-commerce clients.

Java SE/EE

Spring

JSF

Vaadin

AngularJS

JBoss

PostgreSQL

SELECTED PROJECTS

Home guard

Home security system connecting Eufy cameras to my Volvo via Firebase push and the Connected Vehicle API.

- Escalation flow from headlight flash to horn, OAuth2 token handling, PRD-driven implementation via Claude Code.

Node.js

OAuth2

Firebase

IoT

Claude Code

AutoClean Mike

WWW.AUTOCLEANMIKE.BE

Full website build for a car detailing business.

- Marketing site with Schema.org structured data, Turnstile-protected forms, domain migration (Gandi → OVH), Zoho Mail, and a Vercel-hosted admin subdomain.

Astro

SEO

Schema.org

Vercel

Cloudflare Turnstile