Jean-Baptiste Thery

Scan to visit my website

Senior Full-Stack TypeScript & AI Developer · Software Engineer · Freelance

TypeScript · React · Next.js · Node.js · Java / Spring Boot · AI: LLM, agents, RAG, MCP

Remote only, in French or English · EURL jCode, a French company registered in Paris · jcode.works · malt.fr/profile/jeanbaptistethery · linkedin.com/in/jean-baptiste-thery · github.com/jb-thery

SUMMARY

Senior full-stack developer with 10 years of web development, 7 of them freelance, and 14 client projects delivered for startups and large organisations. I take applications from idea to production and can own the whole technical cycle: architecture, frontend, backend, data, testing, CI/CD and release. My main language is TypeScript, on the frontend (React, Next.js, Svelte) and the backend (Node.js, Hono); I also work in Java / Spring Boot, and add AI features, agents and MCP (Model Context Protocol) servers to products. Clients include Sciences Po, Decathlon, Suzuki France, Oney, HelloPrêt, Leadbay (Y Combinator F25) and Stellia.ai (École Polytechnique incubator); rated 5.0 out of 5 across 47 end-of-project ratings for 80+ missions on Malt (November 2026). Co-founder of WorkoutGen, a personalised workout generator, and creator of Ragmir, open-source agentic RAG (retrieval-augmented generation). I use coding agents such as Claude Code within each client's rules and review and test every change.

CORE SKILLS

Frontend	TypeScript, JavaScript, HTML, CSS, React 19, Next.js 16, Vite, Svelte 5, SvelteKit, Astro, Vue.js, Nuxt, single-page apps (SPA), server-side rendering (SSR), static site generation (SSG), Redux, TanStack, Tailwind CSS, shadcn/ui, Radix UI, Material UI, Storybook, Web Components (StencilJS, with React and Angular wrappers), Ionic, Capacitor
Backend and data	Node.js, Hono, Fastify, Java 25, Spring Boot 4, Spring Data JPA, Hibernate, MyBatis, PHP, Symfony, Twig, REST APIs, GraphQL, WebSocket, SQL (PostgreSQL, Oracle, MySQL), Drizzle ORM, Strapi, DuckDB-WASM, Apache Arrow
AI	large language model (LLM) integration, AI agents, MCP servers, RAG (LanceDB, Transformers.js), machine learning (clustering); coding agents (Claude Code, Codex, GitHub Copilot, Cursor); agentic project management (Linear, Notion)
Data visualisation	WebGL, Deck.gl, MapLibre, Leaflet, Nivo, Google Maps API
Practices	Software craftsmanship, clean code, SOLID, KISS, DRY, design patterns, refactoring, TDD, code review
Quality and delivery	Software architecture, testing (Cypress, Vitest), performance profiling (Chrome DevTools, Lighthouse), design systems and design tokens, CI/CD, accessibility requirements (RGAA 4.1, WCAG 2.1 AA), Core Web Vitals, SEO, GEO, security, monitoring, analytics (PostHog), i18n, PWA, Cloudflare (Workers, D1, KV, R2, Durable Objects), Docker, GitHub Actions, GitLab CI/CD, Fly.io, Netlify, Heroku, Figma

EXPERIENCE

Sciences Po · via RECSI Group — May 2025 – Oct 2026 · 18 months · Freelance, remote

Senior Full-Stack Developer

- Delivered three applications with the school's product, UX and IT teams: architecture, tests, documentation, CI/CD.
- Developed Khartis V3, a complete rewrite designed by the school's Cartography Lab: thematic maps for researchers and journalists, up to millions of rows processed in the browser with DuckDB-WASM and Apache Arrow, no server, WebGL maps (Deck.gl, MapLibre), offline PWA. SvelteKit, Svelte 5, TypeScript.
- Built the institutional design system as main developer, with the UX team: StencilJS Web Components with React and Angular wrappers, server-side rendering, a critical sign-in form that works without JavaScript, RGAA 4.1 and WCAG 2.1 AA requirements, design tokens synced with Figma, Storybook.
- Designed and built an academic portal foundation with another developer: Java 25, Spring Boot 4, MyBatis and Oracle backend, multi-zone Next.js 16 and React 19 frontend, CAS authentication, i18n, GitLab CI/CD.

WorkoutGen · personalised workout generator — Jun 2025 – Sep 2026 · 16 months · Remote

Co-founder, Senior Full-Stack Developer · jCode product, alongside client work

- Built workoutgen.app end to end as its sole technical owner (architecture, development, cloud, quality, operations): 51,000+ members, 9 languages (workoutgen.app, October 2026).
- Shipped a React 19 and Vite PWA and its store apps (App Store with Capacitor in September 2026, Google Play, Microsoft Store) on a Hono API with Cloudflare Workers, D1, KV, R2 and Durable Objects: authentication, payments, emails, analytics, security, observability, CI/CD and i18n.
- Designed the deterministic 9-step program engine, validated by my co-founder, a state-certified coach: eight-week cycles, an AI coach that adjusts volume and rest after every session, and consented data collection for future machine learning.
- Set up AI-assisted development on the product: a local RAG and MCP knowledge base of the repository and agent workflows for impact analysis, review, tests and docs, governed by architecture rules, CI and human review of sensitive changes.

Stack: React 19, Vite, Astro, TypeScript, Hono, Drizzle ORM, Better Auth, TanStack, Tailwind CSS, Capacitor, Cloudflare Workers, D1, KV, R2, Durable Objects, PostHog, Strapi, GitHub Actions

Ragmir · open-source agentic RAG, TypeScript and MCP — Jun 2026 – Aug 2026 · 3 months · Remote

Creator and Lead Developer · jCode open-source product, alongside client work

- Created Ragmir, an AGPL-3.0 Node.js and TypeScript library, CLI and MCP server on npm that gives coding agents such as Claude Code and Codex reliable, cited project context without hosted document storage.

- Implemented local, incremental indexing with multi-format extraction and citations by file, page and segment; offline BM25 lexical search by default, optional semantic search with Transformers.js.
- Built privacy in (local index, no telemetry, sensitive-file exclusions), with strict typing, tests and dependency audits.

Stack: TypeScript, Node.js, LanceDB, MCP SDK, Transformers.js, node-llama-cpp

Leadbay · AI B2B prospecting SaaS, Y Combinator F25 — Sep 2023 – May 2025 · 21 months · Freelance, remote

Senior Frontend Developer (React)

- Built the complete SaaS frontend from scratch, web and hybrid mobile, with full technical autonomy for 21 months, working directly with the CTO and the product team.
- Designed the Redux state architecture and set up Cypress end-to-end tests and full CI/CD.
- Shipped the iOS and Android app with Ionic on the shared codebase, and an interactive landing page in Framer and Spline 3D.

"He was instrumental in getting our frontend off the ground, handling everything with zeal, unwavering dedication, and unparalleled reliability." Milan Stankovic, CTO, Leadbay

Stack: React, TypeScript, Redux, Cypress, Ionic, Framer, Spline 3D, CI/CD

Sweez · AI meeting assistant — Apr 2023 – Aug 2023 · 5 months · Freelance, remote

Senior Frontend Developer (React / Next.js)

- Owned the frontend of an AI chat that surfaces the key points of meetings in real time, with the technical and product team.
- Built the React and Next.js interface with accessible, reusable Radix UI components and real-time communication with the AI services over WebSocket; GraphQL API, Storybook and a monorepo.

HelloPrêt · mortgage simulation platform — Feb 2023 – Mar 2023 · 2 months · Freelance, remote

Senior Frontend Developer (Svelte / Astro)

- Led a full platform modernisation: migration to Astro and Svelte for performance and SEO (semantic HTML, meta tags, JSON-LD), a custom Strapi and PostgreSQL CMS for the editors, a full UI redesign and continuous delivery on Netlify.

Stellia.ai · AI document analysis, École Polytechnique incubator — Jul 2022 – Jan 2023 · 7 months · Freelance, remote

Senior Frontend Developer (React)

- Owned the frontend of a React dashboard for AI-driven question-and-answer analysis of document collections.
- Practised test-driven development (TDD) with Vitest, Cypress and CI/CD; Storybook and Tailwind CSS interface; PDF reports with React PDF; GraphQL and Redux; full i18n.

Decathlon France · via DPS SYNEIDO — Feb 2022 – Jun 2022 · 5 months · Freelance, remote

Senior Frontend Developer (Svelte)

- Built reusable Svelte components for Vitamin, the internal design system used across the group's e-commerce applications, documented in Storybook and tested with Cypress.

Suzuki France · via DPS SYNEIDO — Feb 2021 – Jan 2022 · 12 months · Freelance, remote

Full-Stack Developer (React / Symfony)

- Worked on two national projects: the Suzuki France site and back office, and the platform behind every dealer site.
- Owned the frontend, with Angular integrations, and contributed to the Symfony, Twig and Java (Spring Data JPA, Hibernate) backends: dealer search with Google Maps geolocation and filters, a React CRUD back office over internal REST APIs.

Biodiv-Wind · wildlife protection on wind farms — Aug 2020 – Jan 2021 · 6 months · Freelance, remote

Frontend Developer (React)

- Built the new client interface of SafeWind for real-time monitoring of flying wildlife: React, Material UI, Nivo charts, Leaflet maps, Redux and Azure AD authentication.

Oney · Banque Accord, via DPS SYNEIDO — May 2020 – Jul 2020, Apr 2021 – Jun 2021 · 6 months · Freelance, remote

Frontend Developer

- Delivered 5 landing pages and information pages for the Oney+ offering over two engagements: faithful implementation of the Figma designs, Core Web Vitals and load-time optimisation, safe production releases.

Early freelance projects — Aug 2019 – Mar 2020 · Freelance, remote

Freelance Web Developer (Vue.js / Nuxt)

- Built a Vue.js admin dashboard for industrial 3D printers (Frelon SAS, Feb 2020 – Mar 2020), a Nuxt.js site with Strapi and PostgreSQL (Coach Jeremy, Nov 2019 – Dec 2019) and Emy Biscuits France's first e-commerce site, in Jamstack with Nuxt.js, Strapi and Snipcart (Aug 2019 – Sep 2019).

Developer training · self-taught, then Simplon.co — Aug 2016 – Jul 2019 · 36 months

- Built PHP and Symfony backends, REST APIs and MySQL databases, Flutter mobile apps and SEO work; a Symfony proof of concept, then an MVP, during an internship.

EDUCATION

- Professional Title in Software Development (French national qualification, RNCP level 5) · Simplon.co · 2018 – 2019
- BTS (two-year higher national diploma) in Sales and Business Unit Management · SupExup Business School · 2014 – 2016
- Vocational Baccalaureate in Commerce · Lycée Jean-Moulin · 2012 – 2014

LANGUAGES

French: native · English: professional working proficiency