Thibaut Lefrançois

Freelance full-stack developer · Kotlin/Java · TypeScript, Vue, React, Angular

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Professional Experience

Freelance full-stack developer · ARKO, Thibaut Lefrançois EI

September 2026 - Present

Independent fullstack developer. I integrate into existing teams to take ownership of complex technical projects: distributed architectures, multi-provider integrations, payment systems, data pipelines. Autonomous from codebase analysis to production deployment.

- Full setup and management of the business: professional liability insurance, invoicing, accounting, client relations
- Built an activity management system and AI automations to maximize time spent on engineering

Mission at Raccourci Agency (September to November 2026)

Called back after my apprenticeship to complete and deliver the critical features of Youbook, a multi-activity SaaS booking platform. Only external developer at the company, which typically never outsources.

Stack: Kotlin · Ktor 3 · Vue 3 · TypeScript · Temporal · PostgreSQL · Docker · Kubernetes

Full-stack developer (apprenticeship) · Raccourci Agency

April 2024 - August 2026

One of the main developers on Youbook, a multi-activity SaaS booking platform for the tourism industry (microservices architecture, Kotlin/Ktor, Vue 3, PostgreSQL). Grew from apprentice to autonomous developer on critical projects, which led the company to call me back as a freelancer right after the contract ended.

- Designed and built from scratch several REST APIs in Kotlin/Ktor 3: shopping carts, transactions, multi-provider booking aggregation, payment orchestration (Stripe, Payzen)
- Orchestrated transaction lifecycle via Temporal: parallel booking confirmation, partial payment capture, real-time communication through SSE
- Developed an ETL processing multiple booking connectors with Apache Pulsar, concurrent pipelines and backpressure
- Built a library of ten+ Vue 3 Web Components (Shadow DOM, Pinia, i18n) embeddable on third-party sites
- Implemented an interactive map mode with OpenSearch geospatial search and a native multi-step booking widget
- Configured GitLab CI/CD for all services with automated deployment on Kubernetes via Jenkins and Helm
- Set up comprehensive monitoring: Grafana, Prometheus, Loki, health checks
- Ran cross code reviews daily and mentored a back-end apprentice on Kotlin

Projects

steerkit (Personal project - npm package)

- TypeScript library of Craig Reynolds' steering behaviors (seek, arrive, wander...), zero allocation per frame, published on npm with interactive demos

Ocarina, Songs of Hyrule (Personal project)

- Playable ocarina in the browser with Three.js, TypeScript, Vite: 21 songs recognized from keyboard or touch input; Codrops invited me to write up how it was made

Ocean Heartbeat (Hackathon Nuit de l'Info 2024 - Winner)

- Immersive underwater 3D experience in React Three Fiber, GSAP, Zustand, developed in one night, winner of the retro post-processing challenge

Technical Skills

Languages	Kotlin, Java, TypeScript
Backend	Ktor, Spring Boot (training), REST API, Exposed ORM, PostgreSQL, Flyway, Jackson
Frontend	Vue 3, React, Angular (training), Astro, Pinia, Web Components, Tailwind CSS
Orchestration	Temporal, Apache Pulsar, Workflow orchestration, Event-driven architecture
DevOps	Docker, Kubernetes, Helm, GitLab CI, Jenkins, Grafana, Prometheus, Loki
Testing	JUnit 5, MockK, Testcontainers, Vitest, Konsist
Creative	Three.js, React Three Fiber, GSAP, WebGL, Shaders
AI	Claude Code (skills, agents, MCP), Prompt engineering
Tools	Git, IntelliJ IDEA, ClickUp, Postman

Education

Software Development Expert · OpenClassrooms — 2025 - 2026

RNCP Level 7 (Master's equivalent) and Master's degree in Computer Software Development - Full-stack track: Java, Spring Boot, Angular and React, Cypress E2E tests

Three.js Journey · Online Course — 2024 - Present

WebGL development, shaders, creative coding

Bachelor's in Computer Science (BUT Informatique) · IUT La Rochelle — 2022 - 2025

Full-stack developer track

Recommendations

Nicolas Péridont · CTO · Raccourci Agency — Senior to me · translated from French

> « He played a decisive role in building the sales funnel of our product YouBook. [...] Thibaut shows a technical maturity that is rare for a work-study profile: rigorous about good practices, autonomous, and with an excellent team spirit. »

Also recommended on LinkedIn by Xavier Hernandez, Bastien Grisvard and Axel Bourdy, from the Youbook team.

Languages

French	Native
English	Professional (technical documentation, code reviews, tech watch)