

# RENAUD BRESSON

## Full Stack Developer

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Full stack developer, career changer after 18 years as a laboratory technician in medical analysis and food safety. I currently work across **all four layers of an industrial ERP**: Angular front end, Node middleware, Java/Spring back end and a Frappe ERP. A former quality officer, I now build the tools for the job I used to do.

## Skills

|                  |                                                                                                                                          |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Daily            | TypeScript · Angular 21 · PHP / Laravel · Vue.js · SQL (PostgreSQL, MySQL)                                                               |
| Professional use | Java 21 / Spring Boot · Node.js / Express · Python (Frappe / ERPNext) · Keycloak (OAuth2, OIDC) · Symfony (working knowledge)            |
| Front end        | Tailwind · shadcn · Design system · Figma · Accessibility (WCAG 2.1 AA)                                                                  |
| Delivery         | Linux VPS deployment and administration · Docker · Git · CI/CD (GitLab CI, GitHub Actions) · Testing (Vitest, JUnit, Pest) · Code review |
| Compliance & SEO | GDPR (consent management, legal notices) · Server-side rendering for search indexing and link previews                                   |
| Languages        | French — native · English — professional working proficiency (CEFR B2)                                                                   |

## Professional experience

### Full Stack Developer — EP MECA, Feurs, France

Since May 2026

*Custom industrial ERP, built in-house by a five-person team including three developers.*

- Build the **Angular 21** front end (signal-based architecture): purchasing, inventory and quality screens
- Contribute to the team's **in-house design system**: a reusable component library, versioned and published as a package
- Develop the **Node / Express** middleware: APIs and orchestration to the ERP
- Contribute to the **Java 21 / Spring Boot** back end, multi-tenant hexagonal architecture
- Work on the **Frappe / ERPNext** layer (Python): DocTypes, business hooks, permissions
- Write tests (Vitest, JUnit), review code and maintain GitLab CI pipelines

### Independent Developer — self-employed

Since 2024

- [wikiwa.com](https://wikiwa.com) (since May 2026) — TV series recommendation platform (Laravel + Vue.js), live in production. Designed, built, deployed and operated single-handedly.
  - Collaborative filtering recommendation engine, TheTVDB API integration, user accounts, dashboard, multi-criteria sorting
  - Server-side rendering of content for search indexing and social link previews, as crawlers do not execute JavaScript
  - **WCAG 2.1 AA** accessibility: semantic structure, keyboard navigation, contrast ratios
  - GDPR compliance: consent management, privacy policy, legal notices
  - VPS administration and **continuous deployment via GitHub Actions**: Docker container rollout with health verification, database migrations, application cache rebuilds
  - Phased rollout through successive closed beta groups, with fixes driven by user feedback
- **Shinefulness (2024 – 2026)** — designed and built a Laravel REST API and a Vue.js application. User data structures and business logic, release to production, maintenance and further development.

### Software Developer Apprentice — M2M Financement

2024 – 2025

- Rebuilt an internal ERP and an e-commerce site (vanilla PHP, JavaScript)
- Developed business features and fixed bugs in production
- Wrote end-user training materials

### Laboratory Technician — medical analysis, food safety

2003 – 2021

- Quality officer and employee representative: procedures, traceability, audits
- The shop-floor experience I now build software for

## Education

|            |                                                                                                                                                |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 2025       | Application Designer & Developer (CDA) — French professional degree, RNCP Level 6 (Bachelor's equivalent), completed through an apprenticeship |
| 2023       | Web and Mobile Web Developer — French professional certification, RNCP Level 5                                                                 |
| Since 2021 | Continuous learning and technology watch                                                                                                       |