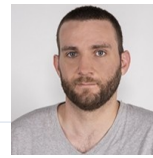


LAURENT NIZZOLI

AI-Augmented Full-Stack Developer

Strasbourg, France • laurent-nizzoli.com • [LinkedIn](#) • [GitHub](#) • French (Native) • English (Professional)



Full-stack developer with 6+ years building enterprise applications — TypeScript, React, Node.js, and PostgreSQL at the core. Built AI-powered agents and automation tools (Claude Code, MCP, n8n) as part of daily workflow. Led data-heavy projects across 16 EU countries at Thermo Fisher Scientific. Career pivot from HR to engineering, bringing strong organizational and user-centric skills.

TECHNICAL SKILLS

AI & LLMs: Claude Code, MCP Servers, GitHub Copilot, n8n, Prompt Engineering, Agentic Workflows, AI Evaluation

TypeScript / JS: TypeScript, React, Next.js, Node.js, Express, NestJS, GraphQL, Vue.js, Tailwind CSS

Backend & Data: PostgreSQL, MySQL, MongoDB, Oracle, Redis, REST APIs, Django, Flask, Spring Boot, PHP/Symfony

Infra & DevOps: Docker, Kubernetes, AWS, GitHub Actions, CI/CD, Nginx, Linux (RHEL), Helm

Methodologies: Agile/Scrum, REST & GraphQL API Design, MVC Architecture, Unit & Integration Testing, Code Review

PROFESSIONAL EXPERIENCE

Analyst Programmer — Thermo Fisher Scientific, Illkirch, FR

Sep 2025 – Present

- Built a Flask-based data ingestion platform for bulk-importing millions of records via Excel — 30+ configurable JSON validation scripts handle automated field checking and business rules, eliminating manual data entry errors and saving hours per import cycle
- Led AWS cloud migration with containerized Docker deployments and CI/CD via GitHub Actions — cut deploy time from hours to <15 min, improving team release velocity across multiple services
- Modernized legacy PHP application to latest LTS on RHEL; configured LAMP stack with Apache Virtual Hosts for secure multi-domain access across 3 internal applications
- Delivered end-to-end features across Spring Boot backend, Oracle stored procedures with validation logic, and Vue.js frontend — extended API to support 3 new data fields with zero downtime

Web Developer — Thermo Fisher Scientific, Illkirch, FR

Oct 2022 – Sep 2025

- Architected a loyalty program platform with authentication, dashboards, admin panel, and customizable product shop with advanced search & filtering — serving 500+ users with integrated Excel data export (React, Node.js, Express)
- Built WebTools intranet: product search across 16 EU countries, regional pricing engine, translation workflow with reviewer roles, URL management, and LDAP auth with role-based permissions (React, Django, PostgreSQL/MySQL)
- Engineered multi-lingual PDF generation system for 15 countries and 22 formats, with admin stats dashboard and self-service data export (TypeScript, Express)
- Designed and deployed 4+ REST APIs in PHP; containerized all services with Docker/Nginx; automated Adobe CQ Pages tasks via custom JavaScript, improving marketing team operational efficiency

Web Developer (Apprenticeship) — Actif Solution — RH eScale, Strasbourg, FR

Sep 2019 – Oct 2022

- Built HR training module frontend for 200+ companies using React & Material-UI; created backend APIs with PHP/Symfony for complex scheduling and tracking workflows
- Developed dynamic analytics dashboards with SQL-driven KPIs; refactored legacy components with React hooks and modern state management patterns

Trainee Developer — SKWALSOFT, Toulon, FR

Feb 2019 – Jul 2019

- Built Android app for hospital medical data exchange (Java, MVC); developed Django data models with optimized queries; implemented PHPUnit/JUnit/Espresso testing in Docker within an Agile/Scrum team

Earlier: HR Specialist at FACE Var (2017–18) | Schedule & Contract Manager for 900+ employees at SNCF (2008–11) | Administrative Specialist at SAUVADOM (2011–14)

AI PROJECTS

6 AI tools built with Claude Code, MCP, and modern LLM workflows — including an **autonomous code review agent**, a **resume analysis engine** (PDF → AI feedback), a **CSV data analyzer** with natural language Q&A, a **content repurposer** (Markdown → LinkedIn/social), a **gaming AI assistant**, and a **system prompt builder**. All available at github.com/Ruldane.

EDUCATION

Master's — Software Architect & App Developer, ETNA — Docker, Kubernetes, .NET + React, MongoDB, Python/OpenCV, Android 2020 – 2022

Bachelor's — IT Developer & Cybersecurity, Ifide Sup'Formation — JS, PHP, Linux, SQL, Networking

2019 – 2020

Certificate — Software Development, ARISTEE — Algorithms, Python, PHP

2018 – 2019

INTERESTS

Strategy gamer at heart — big fan of Rimworld and StarCraft 2, the kind of games where you have to plan, think ahead, and adapt fast (honestly, not that different from debugging production). Outside of screens, I enjoy walking in the forest, going to the pool, and playing board games and building things with my kid.

Super curious about new AI tools and dev workflows — always testing the latest MCP servers, agents, and automation setups. Currently learning ethical hacking on [TryHackMe](#) — slowly but surely getting into cybersecurity fundamentals.