Loïc Mazuel

Full Stack Developer & AI Engineer

Freelance since 2019 · Vue, Nuxt, TypeScript, Node.js · LLMs, agents and RAG

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PROFILE

Full stack developer with more than 10 years of experience, freelance since 2019 and specialized in the Vue, Nuxt and TypeScript ecosystem, on the front end as well as the back end (Node.js, NestJS). I also build AI systems in production: development agents, RAG, MCP servers and LLM integration. Creator of maz-ui, a Vue and Nuxt component library downloaded more than 100,000 times a month, and of relizy, a release automation tool. Used to tech lead roles, software architecture and design systems.

SKILLS

Front end	Vue.js 2 and 3, Nuxt 2 to 4, TypeScript, JavaScript, Tailwind CSS, UnoCSS, SASS, Pinia, Vuex, design systems, SSR, PWA, technical SEO, Core Web Vitals
Back end	Node.js, NestJS, Hono, AdonisJS, REST APIs, GraphQL, PostgreSQL, MySQL, MongoDB, Prisma, Drizzle, Firebase, Socket.IO
AI	LLMs (Claude, AWS Bedrock), agents and orchestration, RAG (pgvector), MCP servers, structured outputs (Zod), computer vision (YOLO, ONNX Runtime Web, WebGPU), LLMOps
DevOps and quality	Docker, Kubernetes, GitLab CI, GitHub Actions, AWS (Lambda, Bedrock), Nginx, unit and E2E testing, ESLint, Conventional Commits
Ways of working	Agile Scrum, tech lead, code review, mentoring, writing guidelines

WORK EXPERIENCE

Accor | Full Stack Developer & AI Engineer (freelance)

Apr 2024 - present · Paris, hybrid

- Designed and built an internal development agents platform: from the request (Slack, GitLab issue, dashboard) to the merge request, through an orchestrator (Hono, pg-boss) and ephemeral runners that run the agents on AWS Bedrock.
- Context MCP server (design system, conventions, RAG on pgvector), mandatory human review before any merge, cost tracked per task and capped token budgets. Inference 100% inside the Accor AWS perimeter.
- Rebuilt the front-end stack and the BFF of the e-commerce application of Accor and its partners, including the migration from Nuxt 2 to Vue 3.
- Contributed to the new developer guidelines, in an agile feature team of 6 developers, 2 product owners and 1 tech lead.

Stack: Vue 3, Nuxt, TypeScript, Tailwind CSS, GraphQL, Node.js, Hono, PostgreSQL, AWS (Bedrock, Lambda), Docker, GitLab CI, GitHub Actions

Zadig & Voltaire | Lead Full Stack Developer (freelance)

Jan 2023 - Jan 2024 · Paris

- New e-commerce application in Nuxt 3 and Vue 3: designed the architecture alone from scratch, then led a team of 4 developers with the product managers.
- Vue 3 design system shipped as a Nuxt module with auto-imports (design-system.zadig-et-voltaire.com).
- Two open-source Nuxt modules: nuxt-gtm (Google Tag Manager) and nuxt-well-known (server-side .well-known URLs).
- zv-cli, a CLI that generates ready-to-use Nuxt codebases for the international stores.

Stack: Vue 3, Nuxt 3, TypeScript, Tailwind CSS, Node.js (BFF), Docker, GitHub Actions

The Walking Nerds | Front-End Developer (freelance)

Nov 2022 - Jul 2023 · Remote

- EspaceSingulier: application of a charity supporting vulnerable people and their caregivers (recurring and one-off events, caregiver calendar, help requests, e-mailing).
- Edmond de Rothschild: Vue 3 and Web3 application for selling NFTs.
- Autonomous development from the specifications of a product manager.

Stack: Vue 2 and 3, TypeScript, UnoCSS, Hasura, Web3, GitLab CI

Livementor | Full Stack Developer (freelance) Nov 2021 - Jul 2022 · Paris

- Training platform for entrepreneurs: course tracking, exams, advanced chat between learners and mentors (files, materials), appointment booking.
- Development, maintenance and migration from Nuxt 2 to Nuxt 3.

Stack: Nuxt, Vue, Vuex, TypeScript, Firebase, Ruby on Rails

Norauto | Lead Full Stack Developer (freelance) Feb 2021 - Sep 2021 · Lille

- New e-commerce platforms for 16 countries: Nuxt 2 front end with TypeScript and the Composition API, configured per country.
- NestJS and GraphQL BFF gathering the Norauto APIs (pricing, payment, vehicles, cart, accounts, catalog) behind a single entry point.
- Automated deployment with GitLab CI on Kubernetes and Docker.

Stack: Vue.js, Nuxt, TypeScript, NestJS, GraphQL, Docker, Kubernetes, GitLab CI

EARLIER MISSIONS AND JOBS

Whitebird | Lead Full Stack Developer (freelance) Jun 2020 - Sep 2020

Real estate website in Nuxt and Prismic with a design agency, Node.js REST API for the requests.

Nyctale | Front-End Developer (freelance) May 2020 - Jul 2020

Vue.js cryptocurrency tracking application built from scratch: dashboards, Plotly.js charts, advanced components.

Jellynote | Lead Front-End Developer (freelance) Nov 2019 - Apr 2020

New server-side rendered Nuxt.js front end for SEO and performance work on a music community website.

Chronotruck | Lead Front-End Developer (permanent) Apr 2017 - Jun 2019

Freight transport marketplace: new Vue.js project with a team of 3 developers (Vue, Vuex, Leaflet, vue-i18n).

Yuso Fleet (Marcel) | Front-End and Mobile Developer, UX Designer (permanent) Apr 2014 - Apr 2017

Website and hybrid mobile application (Ruby on Rails, Cordova, Ionic, AngularJS), brand redesign, SEO and SEM, e-mailing.

OPEN SOURCE AND AI PRODUCTS

maz-ui maz-ui.com · Creator and maintainer, since 2019

Vue and Nuxt component library, with themes, icons, utilities and an MCP server for agents. More than 100,000 npm downloads a month and 560 GitHub stars.

relizy relizy.dev · Creator, 2025

Release automation: versions, changelogs, git tags and npm publishing computed from Conventional Commits, monorepos included.

Throw throw.maz-ui.com · Design, model training and development

Darts scoring from a phone camera: seven generations of trained YOLO pose models, ONNX Runtime Web inference on WebGPU (71 to 96 ms on iPhone), 88% of darts right against the market reference.

Lirose lirose.loicmazuel.com · Product design and development

Job search assistant: about ten sources merged, offers scored by Claude with structured outputs (Zod), six verification layers against made-up content, about 900 tests.

EDUCATION

University of Reims Champagne-Ardenne

2014	Master's degree in Business Management, SME management
2013	First year of Master in Management and Strategy, marketing track
2009 - 2012	Bachelor's degree in Economic and Social Administration

LANGUAGES

French: native · English: professional working proficiency