Jérôme Charriaud

Senior Full-Stack Engineer

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Intentionally minimal — ATS-optimized format. Interactive design-oriented version → jerome-charriaud.com

SUMMARY

Full-Stack Engineer and entrepreneur with 14+ years of professional experience, specializing in backend engineering and end-to-end web delivery across diverse industries. Deep expertise in NestJS and PostgreSQL, hands-on experience with frontend (Vue.js), CI/CD pipelines, REST APIs, and web analytics - bridging the gap between engineering and business strategy.

Founder & CTO of FitHere, a sports community management platform built entirely from the ground up, demonstrating the ability to own a product from conception through to market launch.

SKILLS

AI	Prompt Engineering (Advanced)
Programming	TypeScript (Expert)
Backend	NestJS (Expert) · Node.js (Advanced) · Express.js (Advanced) · REST API (Advanced) · PostgreSQL (Advanced) · MongoDB (Advanced) · Redis (Intermediate) · Prisma (Advanced) · BullMQ (Intermediate) · Jest (Intermediate) · GraphQL (Advanced) · Firebase (Intermediate) · Elasticsearch (Intermediate) · Meteor (Intermediate)
DevOps	Git (Advanced) · Docker (Intermediate) · Coolify (Intermediate) · Umami (Intermediate) · GitHub Actions (Intermediate) · AWS (Intermediate) · NX (Intermediate) · CI/CD (Intermediate) · Agile (Advanced)
Frontend	Vue.js (Expert) · HTML5 / CSS3 (Expert) · Tailwind CSS (Advanced) · Astro (Intermediate) · ShadCN (Advanced) · Capacitor (Intermediate)

EXPERIENCE

Founder and CTO — **FitHere** · Sports Events Software

Nov 2024 – Present

A dual-sided sports platform: a community product enabling organizers to create events and grow local sports ecosystems around a city + sport model, and a Workspace solution helping companies implement, manage, and measure their corporate sports initiatives through dedicated KPI dashboards.

PRODUCT & BUSINESS

- Defined product vision, roadmap, and go-to-market strategy; prepared pitch deck and led investor discussions
- Grew to 300+ users and designed the initial sales funnel and conversion strategy
- Collaborated with Product and Design teams to translate user needs into technical requirements

TECHNICAL LEADERSHIP

- Designed and built a scalable Nx monorepo from the ground up, delivering five production apps from a single shared codebase: a public website (Astro), mobile-first web app (Vue.js 3 + Capacitor), REST API (NestJS), admin dashboard, and async worker for background jobs (BullMQ + Redis)

UI / UX & CONVERSION

- Designed the acquisition funnel end to end: one-click sign-up and login, and event creation without an account, so an organizer can publish a game before ever registering
- Instrumented the funnel with custom Umami events (event creation, joining an event) to measure conversion step by step and remove friction in the organizer and participant journeys

KEY ACHIEVEMENTS

- Architected a multi-platform monorepo with full code sharing across apps and libs (types, UI, locales, utils)
- Built a secure authentication system with HttpOnly cookie-based JWT, token refresh, and Firebase Auth integration
- Designed a queue-based real-time notification pipeline (BullMQ) delivering in-app, email, and push notifications - with batching, delivery tracking, and per-user preferences
- Developed a community and event management system supporting close to 200 events, participant registration, lineup tracking, and organizer alerts
- Established CI/CD with Docker, automated migrations (Prisma), and secret management via Doppler
- Run the whole infrastructure on a self-managed Coolify instance on an OVH VPS (API, BullMQ worker, self-hosted Umami analytics), with automatic deployments
- Built a multilingual, SEO-driven Astro resources site to drive organic traffic to the FitHere app
- Integrated AWS S3 for media storage and optimized API performance with Redis cache layer and disk caching strategy

`Stack: TypeScript · Vue.js 3 · Tailwind CSS · ShadCN · NestJS · PostgreSQL · Prisma ORM · Astro · Capacitor · Docker · Coolify · Umami · Nx · BullMQ · Redis · AWS S3 · Firebase Auth`

Backend Developer — **ITDM Group** · ERP Solution for a Construction Company

Aug 2023 – Nov 2024

Served as one of the main backend developers on a full-scale ERP platform covering logistics, HR, construction site management, invoicing, and the full supplier/customer/employee/vehicle lifecycle.

- Architected the entire database schema and data model to support a complex, multi-domain business application
- Engineered 50+ NestJS modules - including entities, DTOs, resolvers, and services - following clean architecture principles throughout
- Designed and implemented all GraphQL queries, mutations, and input types, providing a consistent and efficient API contract for frontend consumers
- Acted as the primary API contract owner, collaborating closely with frontend developers to shape and adapt backend responses to UI requirements
- Conducted code reviews on peer merge requests, enforcing code quality standards and architectural consistency across the team
- Drove backend refactoring initiatives, leading dedicated meetings to align the team on technical debt reduction and structural improvements

`Stack: NestJS · GraphQL · PostgreSQL · TypeScript`

Fullstack Software Engineer — **Trusty** · HR Recruitment Product `Apr 2022 – May 2023`

Contributed to the conception and development of a new HR recruitment platform from the ground up, spanning database design, API architecture, and a reactive frontend interface for company administrators.

- Designed and implemented the full MongoDB database architecture, defining all schemas to support the recruitment domain's data model
- Built a RESTful Node.js/Express API serving as the communication layer between the backend and frontend applications
- Developed a reactive administration interface for client companies using Meteor and Vue.js, handling both backend logic and frontend rendering
- Owned end-to-end delivery across the full stack, from data layer through to user-facing features

`Stack: MongoDB · Node.js · Express.js · Meteor · Vue.js`

Freelance Full-Stack Developer & Analytics Consultant — **Freelance** `Jan 2012 – Jan 2022`

- Authored commercial proposals and functional specifications for web projects, translating complex client business needs into clear technical requirements
- Built responsive frontend interfaces using Vue.js and custom WordPress themes, ensuring cross-device compatibility and optimal user experience
- Developed custom WordPress plugins to extend platform capabilities and meet specific client requirements
- Maintained, secured, and optimized WordPress websites, including performance tuning, vulnerability patching, and uptime monitoring
- Managed web hosting infrastructure and domain configurations for multiple concurrent client accounts
- Designed measurement frameworks and KPI dashboards aligned with client business objectives
- Implemented tagging plans using web analytics tools, ensuring accurate and reliable data collection
- Conducted web analytics audits and enforced quality assurance processes to guarantee data integrity

`Stack: WordPress · Vue.js · Google Analytics · PHP`

Notable clients: Cdiscount / Greenyellow · Le Bon Coin · Monitorank · Médecin Direct · Presanse · Groupe Fournier (Mobalpa / So Coo'c) · Fastbooking SAS (Groupe Accor) · Alphalyr · EDF · UniPresse · Paris 20 · Région de Bourgogne · Ville de Dijon · Paderborn University · École Intuit Lab · Pôle France Football Américain · Reporters Without Borders · CIVP

EDUCATION

International Studies Certificate — **Liverpool Hope University** `2010 – 2011`

MSc, Business Administration and Management

MSc System Information Management — **IAE Lyon** `2005 – 2010`

Management, Information Systems

LANGUAGES

French (Expert) · English (Expert)