

Yassine Rais

Senior Backend Engineer

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Summary

Senior Backend Engineer with 7+ years of taking products from an empty repo to real traffic, and sticking around for what happens after. Most recently I co-founded two startups as CTO, and at Aydee I carried the platform from an MVP shipped in under six months to its current horizontally scaled version. I work mostly in Elixir today and have spent years on Node.js and NestJS, including consulting for SaaS companies processing millions of euros a year that brought me in when their systems started to struggle, and that kind of problem is still the one I enjoy most. I move between backend, mobile, infrastructure, and product depending on what the work needs, sometimes leading a small team and sometimes building everything alone, and I don't hesitate to pick up a new language or domain when the problem calls for it. Once I start something, I don't stop until it's shipped and actually working. I'm constantly learning, especially about how large systems are built, and I bring what I learn straight back into the product and the team.

Languages

French
Professional

English
Professional

Arabic
Native

Tamazight
Native

Skills

Languages & Runtimes
Elixir, JS/TS, Node.js, Bun

Backend Frameworks
Phoenix, NestJS, Ash, Hono

Data & Messaging
GraphQL, Prisma, Drizzle, Oban, Pub/Sub

Database
PostgreSQL, SQLite, Redis, MySQL, MongoDB

DevOps & Infra
Cloudflare, Hetzner, Docker, Terraform, Kubernetes, CI/CD, S3/R2, Grafana

Frontend
React, SvelteKit, Expo (RN), Angular

Experience

Aydee — Remote, Paris
Co-founder & CTO — 2025 - Present

- Co-founded Aydee and own the technology end to end, shipping the initial platform (mobile apps, web dashboards, backend, and infrastructure) in under 6 months and making all system design and architecture decisions.
- Built the mobile app in Expo as a whitelabeled product, deployed for multiple clients and managed entirely from the platform with per-client customization, and built a full subscription system on multiple payment gateways.
- Design and operate the Elixir backend: the domain is modeled declaratively in Ash (with AshAI for AI-driven features), Oban handles background jobs, and PostgreSQL is the data store.
- Built web dashboards with Phoenix LiveView for realtime interactivity backed by Elixir Pub/Sub, marketing landing pages with SvelteKit, and a GraphQL API for the mobile app.
- Led a v2 rebuild focused on scalability: the backend now scales horizontally across many Elixir nodes with PostgreSQL read replicas and absorbs high-traffic peaks reliably.
- Run the backend on Hetzner, provisioned with Terraform and Docker and scaled up or down through CI/CD across multiple environments, behind Cloudflare Tunnel for load balancing and regional routing with no publicly exposed ports; Grafana covers observability.

Kayn — Remote
Co-founder & CTO — 2025 - 2026

- Co-founded Kayn, a fitness superapp in Morocco that combines a consumer marketplace for gyms, pilates, pools, padel, and spas with a full management suite for partner venues, and led its technology as CTO.

- Built and shipped the mobile app in Expo and React Native: venue discovery, booking, a token wallet with top-ups, and scan-and-go check-in at partner venues.
- Delivered the partner side of the platform: advanced multi-branch management for sports venues and private booking tools for partners.
- Led two senior engineers, both fellow co-founders (Elixir and Node.js), setting the architecture behind bookings, wallet balances, and check-in validation on Elixir, Ash, and PostgreSQL, exposed to the app over GraphQL, while staying hands-on in the codebase.
- Owned releases across multiple environments, from CI/CD pipelines to production mobile builds and backend deployments.
- Took the product from first build through launch into full commercial operation; v2, already built and launching soon, adds advanced fitness tracking and AI coaching.

https://kayn.fitness

Luxurynsight Paris

Senior Full Stack Developer 2023 - 2025

- Led the design and development of backend services and APIs from scratch for the core SaaS platform and client projects, focusing on scalability, performance, and maintainability.
- Owned data architecture across PostgreSQL and Redis, and scaled AI model-generation services powering core product features.
- Built and maintained a shared design system and UI kit, and developed Angular frontends, keeping the UI consistent across multiple products.
- Worked on large-scale data cleaning and pipeline optimization to improve data quality and accessibility for analysis.
- Partnered with frontend teams to integrate advanced search (Algolia, Elasticsearch) into the product.

https://luxurynsight.com

Neutrapp Reims, Grand Est, France

Founder 2019 - 2025

- Founded and ran Neutrapp, a software studio designing, building, and shipping full-stack products, from architecture to deployment.
- Led and mentored two junior developers, reviewing their work and setting technical direction while contributing hands-on to every project.
- Delivered client projects including Angular frontends and deployments on Kubernetes.
- Owned backend system design and infrastructure for every product, including CI/CD pipelines and cloud/serverless deployments on Cloudflare.
- Managed the full lifecycle of consumer and B2B products, from validating ideas to public launch, user feedback, and iteration.

Freelance 2020 - 2023

Software Engineer

- Delivered full-stack web applications and backend APIs for multiple clients, including projects built with Node.js and NestJS.
- Consulted for SaaS companies in the Middle East handling millions of euros a year for their customers, diagnosing and resolving scaling issues in their NestJS backends.
- Provisioned and managed client cloud infrastructure with Terraform and Docker, and set up CI/CD pipelines for reliable releases.
- Worked with relational and NoSQL databases (PostgreSQL, MySQL, MongoDB) and Redis for caching under real production load.
- Owned technical decisions for client engagements, from architecture and API design to deployment and handover.

Spacefoot Charleville-Mézières, Grand Est, France

Developer 2021

- Deployed client projects with Docker and Ansible, and built event landing pages in Svelte.
- Prototyped an image classification model to distinguish hand-drawn product visuals from realistic images.

Projects

Tamobila 2026

- Built Tamobila, a cloud-based fleet management platform for Moroccan car rental agencies, consolidating bookings, contracts, and financial tracking into one app.
- Implemented fleet profitability analytics, occupancy monitoring, and purchase forecasting to help agencies optimize their vehicle fleets.
- Built OCR-based customer vetting (ID/license scanning) with cross-agency damage-history lookup, plus GPS tracking integration for fleet monitoring.

https://tamobi.la

Charjit 2026

- Built Charjit, a unified video processing API (media retrieval, audio extraction, captions, and metadata) behind a single API key.
- Delivered it with an agentic, AI-assisted workflow that I directed and reviewed end to end, reaching production in days with the architecture and code quality expected from a senior team.
- Runs entirely on Cloudflare (Workers, Queues, D1, Containers) as a serverless pipeline with high, effectively unlimited parallelism.
- Designed batch processing across many URLs per call, with usage-based billing and automatic credit refunds on failed jobs.

https://charj.it

Saferwall 2019 - 2024

- Open-source contributor as frontend developer on Saferwall, a cloud-native malware analysis platform.
- Maintained the Vue.js frontend, then rebuilt the entire application in SvelteKit, significantly improving performance and responsiveness.
- Worked closely with the backend team on API integration between the frontend and the analysis services.

https://saferwall.com

Invoices 2023 - 2024

- Built an invoicing system in Elixir and Phoenix, handling accounting rules that differ from country to country.

Newnix 2020 - 2022

- Built a marketing platform in Elixir and Phoenix, working deep in background job processing, web scraping, rate limits, and complex proxy handling.

Interests

Biking

Designing

Reading

Reading the PlanetScale blog, recreationally