

Thomas Josso

New York City, USA

+1 (929) 801 1820 | thomas.josso@gmail.com | in/thomas-josso

github.com/gijosso | gijosso.dev

Professional Summary

Senior Full Stack Engineer and Technical Lead with broad experience designing, building, and launching robust web and mobile applications. Skilled at architecting scalable systems using modern technologies, driving process improvements, and implementing secure authentication and advanced CI/CD pipelines. Expertise ranges from backend and frontend development to integrating AI capabilities and leading collaborative, multicultural teams. Focused on leveraging full-stack experience to create innovative, reliable, and user-centered products that accelerate growth.

Professional Experience

rixAI (www.rixai.app)

Technical Lead (Founder)

New York City · Mar 2026 - Present

- Implement a strict TypeScript monorepo with Turborepo and pnpm, integrating an Expo mobile app (Expo Router) and a Next.js web app (App Router) that share a tRPC API, Neon PostgreSQL via Drizzle ORM, and Zod v4, enabling consistent code reuse across platforms and reducing development time.
- Use TanStack Query and Zustand in mobile clients, sharing API types from the server through tRPC, which streamlines state management and improves data synchronization performance
- Design authentication with Supabase, supporting Google, Apple, magic-link flows, and optional Upstash Redis for sessions, caching, and rate limiting, providing a secure and flexible login experience that reduces authentication latency
- Apply web CSRF protection, sliding-window rate limits, role-based access control, and audit logging in the API layer, strengthening security and compliance for sensitive operations and minimizing unauthorized-access incidents
- Integrate RevenueCat for native in-app purchases and paywall UI, with server-side access checks and plan-based feature gating, delivering a seamless subscription experience that boosts conversion and retention
- Implement a debate feature using an XState finite-state machine and Inngest asynchronous workflows to handle step timeouts, AI turns, stale-session cleanup, and post-debate analysis, resulting in smoother debate sessions and fewer interruptions
- Develop AI chat with the Vercel AI SDK and OpenAI models, adding streaming responses and Langfuse for prompt management and tracing; a layer response system and token limits keep usage within budget, improving response reliability for users
- Integrate Resend for transactional email, Expo notifications for mobile push, and Vercel Blob storage for user-generated files, which increases delivery reliability and simplifies file handling across platforms
- Combine Sentry for error and performance monitoring, PostHog for web and mobile analytics, and OpenTelemetry metrics exported to Grafana Cloud, providing real-time visibility that speeds issue detection and improves product decisions
- Use GitHub Actions for continuous integration and EAS for mobile releases, with Vitest API tests, enabling faster, reliable deployments and reducing release errors

Fitness Tracker

Technical Lead (Founder)

France · Jul 2023 - Apr 2025

Developed a viable MVP in the first year and, after missing the target, continued the project as a personal lab to explore new technologies, strengthening full-stack development skills

- Designed and developed an isomorphic mobile and web app from scratch using React Native and Next.js, delivering a cross-platform experience that improved user engagement
- Built a GraphQL API with MySQL and implemented multi-platform CI/CD pipelines, reducing deployment time and increasing release reliability.
- Combined market research, user feedback, and input from a fitness coach to design training-focused features, resulting in a feature set that increased user retention

Amblea

Product Engineer

Paris, France · Jan 2023 - Jul 2023

Delivered features from technical specification drafting to development, testing, and deployment, ensuring seamless integration and improved user satisfaction

- Built automated unit, integration, and regression tests in TypeScript, improving release stability.
- Developed with React, Next.js, and React Native to enhance usability and performance, resulting in a more intuitive user experience and faster application load times
- Resolved incidents and managed migrations with minimal impact on users, maintaining high user satisfaction and system reliability

Software Engineer (Mid-level)

Paris, France · Jan 2020 - Dec 2022

Implemented new features and bug fixes in a React, Next.js, and GraphQL codebase.

- Added Jest and Cypress automated tests, reducing regression issues by 8%.
- Improved the release workflow and developer experience, cutting release time by 40%.
- Promoted React and TypeScript best practices, raising code quality across the team.

Boxy

Frontend Engineer

Paris, France · Jul 2019 - Dec 2019

Implemented React Native tech stack for scalable and rapid delivery.

- Created a consistent mobile visual identity, supporting €5M fundraising efforts.
- Built a lightweight web app for a retailer demo, leading to partnership discussions.
- Set up continuous deployment for iOS and Android, speeding up delivery cycles.

Winamax

Frontend Engineer

Paris, France · Jul 2018 - Jun 2019

Built France's first bet combinator, expanding available betting options and enhancing user engagement

- Updated the interface for the Spanish market launch, improving user experience and accessibility
- Supervised and mentored three interns during their projects, fostering skill development and ensuring project success

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Full Stack Developer

Shanghai, China · Sep 2016 - Jan 2017

Built a WeChat app for a luxury brand to reach the Chinese market, enhancing brand visibility and customer engagement

- Maintained three e-commerce sites and ran targeted ad campaigns for China, increasing site traffic and boosting sales
- Conducted an in-person project wrap-up with the project manager of a major marketing agency, ensuring final approval and client satisfaction
- Provided user training to support adoption and usage, leading to increased user proficiency and reduced support requests

Technical Skills

- **Programming Languages:** TypeScript, JavaScript, SQL, HTML, CSS
- **Frontend:** React, Next.js, Vercel, React Native, Tailwind CSS, Expo, Expo Router, Zustand, TanStack Query, Server Side Rendering
- **Backend:** tRPC, Drizzle, Neon, Supabase, Zod, Inngest, XState, OpenAI, Langfuse, Mem0, Redis, RevenueCat, Resend, Node.js, GraphQL, PostgreSQL
- **Testing:** Vitest, Jest, Cypress
- **DevOps & Tools:** Vercel, Sentry, Posthog, OpenTelemetry, Grafana, Knip, Docker, Git, CI/CD
- **Practices:** Monorepo, Product Development, UX/UI Design, SEO, Code Review, Product Management, Market Analysis, Business Strategy, User Feedback, Cross-cultural Development, End-user Training, Entrepreneurial Mindset, Role-Based Access Control (RBAC), CSRF, Circuit Breaker

Education

EPITA

Engineering Degree, Computer Science

2013 - 2018

Paris, France

Languages

- French (Native)
- English (Fluent)