

Ivan Kupach

+380 50 286 7323 · ivankupach@gmail.com

Mönchengladbach, Germany

Lead Fullstack Engineer

github.com/ivankupach · linkedin.com/in/ivan-kupach

SUMMARY

Fullstack engineer with 8+ years shipping production web platforms. Currently lead engineer on a real-time football betting exchange: Next.js web app plus a fleet of Node.js services backed by PostgreSQL and Redis, serving live fixtures, odds, and an order-matching engine over WebSockets to web and mobile clients. Strong in system design, API architecture, database performance, and CI/CD. Prior Web3 experience with Next.js and ethers.js. Comfortable owning features end-to-end and mentoring mid/junior engineers.

EXPERIENCE

Lead Fullstack Engineer — Notbet, London

Aug 2024 – Present

- Built the entire real-time football betting platform from scratch — web app, public API, and the backend services that power both web and mobile clients through a BFF layer.
- Owned system architecture: Next.js 14 frontend, Node.js services for live scores, odds, upcoming fixtures, and read-model materialization, backed by PostgreSQL (raw SQL, PgBouncer) and Redis for snapshots, pub/sub, and WebSocket fan-out.
- Designed and built the orders engine — placement, matching, proceed/recalculate/resolve workflows, soft-delete-safe upserts, and ML-enriched metadata.
- Delivered a fast, real-time experience surfacing thousands of live fixtures, odds, and stats — latency-critical routes read pre-materialized Redis snapshots, keeping the request path under sub-100ms.
- Designed and shipped the REST + WebSocket API consumed by both web and the mobile app; owned the BFF, aligning contracts with the mobile team and unblocking their releases.
- Led the mobile team on data/contract decisions, ran code reviews across web and mobile, set coding standards, and drove migrations.
- Owned SEO end-to-end: SSR/metadata architecture, structured data, sitemap/hreflang across 8 locales, Lighthouse 95+, LCP under 1.5s.
- Shipped product on top of the platform: ML-backed edge detection, weekly PnL rewards, Telegram Mini App integration, Stripe + crypto wallets, Auth.js with Telegram/email/provider flows.
- CI/CD on Docker Swarm via Dokploy; own deploys, rollbacks, and production incident response (Grafana, Sentry, PostHog).

Senior Front-End Engineer — Kyros AI, Silicon Valley

Jun 2022 – Jul 2024

- Led technical design on a React/TypeScript product, driving architecture decisions from whiteboard to production across cross-functional teams.
- Designed and shipped core product surfaces — data, interface, and logic layers — translating complex AI workflows into fast, intuitive UIs.
- Drove a phased modernization of a large legacy codebase, refactoring critical paths to React hooks, TypeScript, and modern state/data-fetching patterns without freezing feature delivery.
- Raised the quality bar by establishing unit- and integration-testing standards for UI components, catching regressions across browsers and devices before release.
- Mentored mid-level engineers through code review, pair debugging, and architecture walkthroughs; contributed to hiring and onboarding.

Fullstack Developer — Solution Plus Limited, London

Feb 2021 – Jun 2022

- Led end-to-end delivery of production Web3 applications on Next.js, Vue/Nuxt, Node.js, and ethers.js — wallet onboarding, smart-contract interactions, signing flows, and transaction UX.
- Designed backend APIs and data models powering on-chain and off-chain state, balancing latency, reliability, and gas/cost constraints.

- Owned the full SDLC for client engagements: requirements, architecture, implementation, testing, deployment, and post-launch support.
- Applied security-first practices — safe key/signature handling, input validation, CSRF/XSS hardening, and defense-in-depth around user funds.
- Influenced product direction by translating technical trade-offs into clear options for non-technical stakeholders.

Frontend Developer — QFinds, London

Feb 2019 – Feb 2021

- Architected the frontend for a customer-facing product, introducing a reusable component library that cut new-feature build time significantly.
- Partnered with Product Managers and Solution Architects to validate technical feasibility and scope complex roadmap initiatives.
- Tuned client-side performance — bundle splitting, lazy loading, caching — to improve load times and perceived responsiveness on low-end devices.
- Raised frontend quality standards through consistent patterns for styling, state, and data fetching, making the codebase easier to extend and review.

Fullstack Developer — Freelance

Mar 2018 – Jan 2019

- Designed and shipped a student forum for Sumy University — end-to-end architecture, authentication, moderation, and discussion features, serving the university community.
- Owned the full SDLC solo: requirements, UI/UX, API design, database schema, deployment, and ongoing maintenance.
- Built with scalability and maintainability in mind so the platform could grow with user demand without major rewrites.

SKILLS

Languages

JavaScript, TypeScript, Python, SQL

Frontend

React, Next.js 14 (App Router), Vue, Nuxt, SCSS / CSS Modules, TanStack Query, Zustand, SSR, SEO

Backend

Node.js, Python, REST APIs, WebSockets, BFF patterns, Auth.js

Data

PostgreSQL, MongoDB, Redis (snapshots, pub/sub, read-model materialization)

Infrastructure

Docker, Docker Swarm, Kubernetes, AWS, Dokploy, CI/CD, Grafana, Sentry, PostHog

Web3

ethers.js, wallet integrations, smart-contract interactions

Practices

System design, microservices, distributed services, monorepos, code review, mentoring, Jest, agentic dev workflows (Claude Code, MCP servers, custom skills/subagents)

EDUCATION

BSc Computer Science — Sumy State University

2021 – 2025

LANGUAGES

Ukrainian — Native

Russian — Native

English — Professional working proficiency (B2/C1)

German — Intermediate (B1)