



BadmHub

Building the single digital home for badminton in Ukraine

BadmHub set out to replace a scattered collection of tools and websites with one platform for the country's badminton community. Talvex Solutions assembled a dedicated team and delivered a SaaS product that runs tournaments end to end, maintains official national rankings, tracks matches live, and gives clubs, players and organizers a single place to operate — with an architecture built to keep growing after launch.

INDUSTRY Sports Tech / SaaS	LOCATION Ukraine	COOPERATION MODEL Dedicated team
TEAM SIZE 4–6 specialists	DURATION 3–6 months to initial release, ongoing development	CORE STACK Next.js · TypeScript · PostgreSQL · Convex · Vercel

About the client

BadmHub is the largest platform for badminton clubs, players and organizers in Ukraine. It serves the full ecosystem around the sport: clubs administering their members, organizers running national and regional tournaments, players tracking their standing, and fans following matches as they happen. The platform publishes official player and club rankings and operates in both Ukrainian and English.

Project info

FRONTEND	Next.js (App Router), React, TypeScript, Tailwind CSS, shadcn/ui (Radix UI), TanStack Query
BACKEND & DATA	.NET, PostgreSQL, Prisma, Convex (real-time infrastructure), Firebase
MEDIA & INTEGRATIONS	Cloudinary, interactive maps (Leaflet), data visualization (Recharts), PDF/CSV exports
AI	Custom AI assistant with streaming responses
ARCHITECTURE	Nx + Turborepo monorepo, deployed on Vercel
LOCALIZATION	Full Ukrainian / English i18n (i18next)
ENGAGEMENT	Dedicated team of 4–6 specialists, including 2 solutions architects (backend and frontend); 3–6 months to initial release, with ongoing development

Needs and challenges

Before BadmHub, everything around badminton in Ukraine lived in separate places. Tournament management, rankings, club administration and match information sat across different websites and tools with no connection between them, and parts of what the community needed simply did not exist.

Fragmented ecosystem Organizers, clubs and players each worked in a different tool, with nothing shared between them.	Disconnected data Results, rankings and player records were not linked, so the same information had to be maintained twice.
Manual processes Draws, schedules and scoring depended on manual work, which limited how many events could run.	No central player record There was no single source for a player's profile, history and standing.
Poor experience Switching between platforms to complete one task made routine work slow and easy to get wrong.	Room to scale The platform had to support new formats, new roles and future growth without a rewrite.

The solution

We built one SaaS platform that carries the whole lifecycle of the sport: a tournament is created, players register, the schedule generates, referees score matches on court, results update live for spectators, and rankings recalculate from the same data. Clubs, players and organizers each get

their own view of that shared record rather than a separate system.

A dedicated Talvex Solutions team of 4–6 specialists, led by two solutions architects covering backend and frontend, worked as an extension of the client's side, shipping the initial release in 3–6 months and continuing to develop the product since. The monorepo architecture and real-time infrastructure were chosen so new modules could be added without disturbing what already runs in production.

Delivered work

Tournament management	Event creation with categories, player registration, automated match schedule generation across courts and stages, and brackets — plus CSV and PDF exports so organizers can work with officials and print what they need on site.
Club management & directory	Administration tools for club managers and a public directory with an interactive map, giving clubs a way to be found and new players a way in.
Official rankings	Centralized national rankings for players and clubs, calculated from recorded results so standings are transparent and consistent nationwide.
Live scores & referee console	A digital scoring interface referees use courtside, feeding real-time score updates straight to everyone following the event. Scoring and publishing become one action instead of two.
Streaming overlay	Live match data rendered as a broadcast overlay, letting organizers stream events with the same production quality viewers expect from established sports.
Player profiles & analytics	One profile per player holding their information and match history, with charts and statistics that turn a season of results into something a player or coach can read.
AI badminton assistant	A conversational assistant with streaming responses that answers questions about players, clubs and tournaments using the platform's own data.
Calendar, community & bilingual UX	An event calendar the whole community plans around, articles and discussions that keep people on the platform between events, and a full Ukrainian / English experience.

Product highlights

Tournaments

Live scoring

Referee console

Official rankings

Club directory with map

Player profiles

Broadcast overlay

AI assistant

Performance analytics

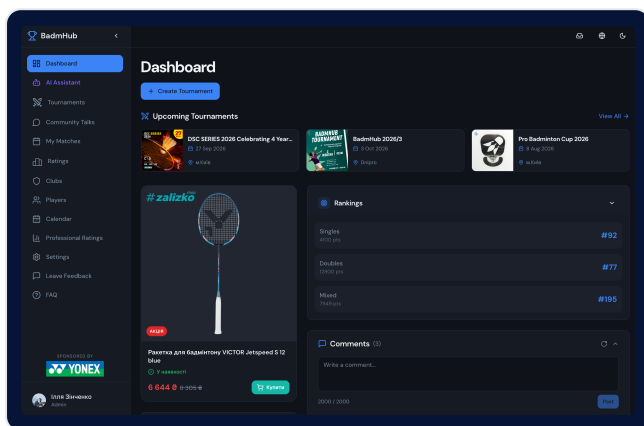
Event calendar

Community content

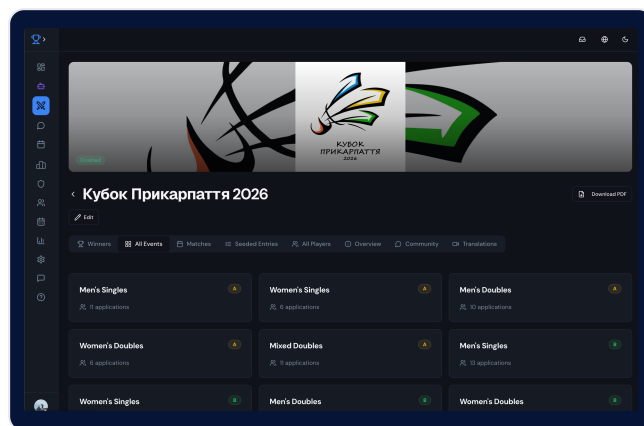
Bilingual UA / EN

CSV / PDF exports

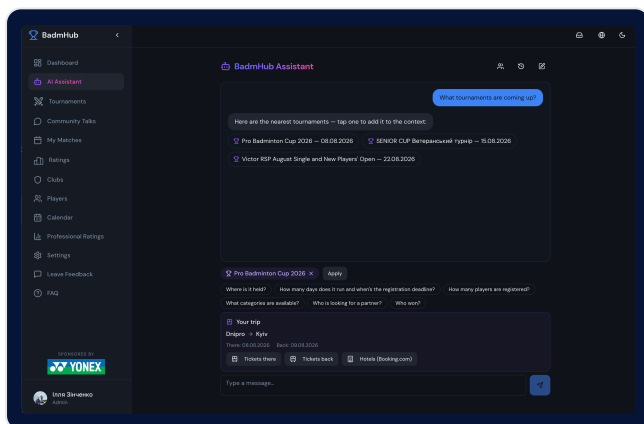
Inside the product



Application dashboard — the operator's overview of events, rankings and activity.



Tournament management — categories, registrations, schedule and brackets.



AI badminton assistant — conversational answers built on the platform's own data.



Live match & referee console — courtside scoring feeding live results.

Business value

One ecosystem. Clubs, players, organizers and fans operate on shared data instead of separate tools.

Simpler tournaments. Registration, scheduling and scoring run inside the platform, so organizers spend less time on coordination.

Ranking transparency. Official standings are calculated centrally from recorded results and visible to everyone.

Higher engagement. Live scores, broadcasts, analytics and community content give people reasons to return between events.

Easier player management. A single profile per player removes duplicate record-keeping across clubs and events.

A scalable SaaS base. The architecture supports new modules, roles and formats as the platform grows.

CLIENT — DRAFT FOR APPROVAL

“They move fast and they are always reachable. Features we expected to wait months for landed in weeks.”

[Serhii Garist, CEO at BadmHub]

BY THE NUMBERS

2,000

registered players

50+

tournaments run

50+

clubs on the platform

25,000+

matches recorded

Conclusion

BadmHub is now the single digital home for the Ukrainian badminton community — the place a tournament is announced, played, scored, broadcast and recorded, and where every club and player's standing lives afterwards. What was spread across disconnected tools is one product, and the team continues to extend it release by release.

Let's scope your platform — book a call with Talvex Solutions.

Tell us what you're building and we'll come back with a team, a plan and a timeline. illia@talvex.solutions

