

Sohail Najar

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EXPERIENCE

Async Casino — Backend Game Systems Engineer

Apr 2024 – Apr 2026

- Engineered backend gameplay infrastructure for 150+ slot game configurations in live production.
- Architected a reusable feature pipeline covering 30+ modules : freespins, cascading reels, multipliers, pick games, and gamble flows.
- Built real-time session management with RTP-aware spin processing, balance handling, replay URL generation, and state reconstruction.
- Delivered admin and support APIs for gift spin management, game history, replay access, and slot operations.

NestJS · Fastify · TypeScript · WebSockets · Redis · Drizzle ORM · MySQL

PROJECTS

Geleg — Multiplayer Party Game · [geleg.app](#)

An online multiplayer game where players answer general knowledge questions and try to trick each other.

- Live at geleg.app : 200+ rooms and 500+ players in the first 14 days.
- Built a timer-driven game loop keeping players synchronized across question, voting, reveal, and leaderboard phases.
- Self-hosted on a VPS via Coolify with Docker, UFW, Fail2Ban, and Cloudflare.

Next.js · NestJS · Colyseus · WebSockets · MySQL · Redis · TypeScript · Coolify · Docker

B2U — Freelance Platform for Students (Group Project)

Platform connecting student developers with companies for freelance work, with the option to route earnings toward university tuition fees. Owned the learning/exam module and payment system.

- Developed a Codecademy-style learning module using a self-hosted Ollama/Qwen model to generate personalized exams from learner mistakes.
- Added multi-language code execution and automated certificate generation.
- Built Stripe-based escrow and payout routing logic to pay either students or universities depending on tuition status.

Angular, Spring Boot, PostgreSQL, Stripe, Kafka, Keycloak, Docker, Ollama

Green & Red Flag

- Social discussion platform with auth, posting, voting, commenting, profile-driven feeds, and multilingual user journeys (EN/FR/AR with RTL support).
- Cursor-based pagination, Redis-cached trending scoring, JWT with httpOnly cookies, and guarded API endpoints.

Next.js · NestJS · MySQL · Redis · TypeScript · TanStack Query · JWT

EDUCATION

ESPRIT – Engineering Studies (Night Courses)

Sep 2024 – Present

Higher Institute of Technological Studies, Kairouan – Diploma in Computer Technology 2020 – 2023

SKILLS

Languages: TypeScript · JavaScript · SQL

Backend: NestJS, Fastify, REST APIs, JWT Authentication, httpOnly Cookies, Guarded Endpoints, API Security

Real-Time: WebSockets, Socket.IO, Colyseus, Room Management, Matchmaking, Reconnection, Live State Sync

Frontend: Next.js, React, Tailwind CSS, Responsive UI, TanStack Query, Multilingual UX, RTL Support

Databases & Caching: MySQL, PostgreSQL, Redis, Drizzle ORM, Cursor Pagination

Infrastructure: Coolify · Docker · VPS · UFW · Fail2Ban · Cloudflare · CI/CD

Architecture: Monolithic & Microservices Architecture, Modular Backend Design, Event-Driven Systems, Session Orchestration

Spoken: Arabic (Native) · English (Fluent) · French (Intermediate)

AWARDS & RECOGNITIONS

1st Place — 13^e Bal des Projets, ESPRIT Night Courses (2026) — B2U Platform