

Why I Built This Blog: Architecture & Tech Author: Madhu Dadi Tags: AI, Architecture, FastAPI, Next.js, ProductionS

Gamification (XP, badges, leaderboard) (plugin) Native Spaced repetition for learning SM

Frontend â Next.js 16 (Turbopack)- React 19 with App Router, server components, streaming SSR- Tailwind CSS

Next.js was chosen for:- Server components â€” expensive data fetches (database queries, API calls) run on these

4. Rate limiting â slowapi backed by Redis for distributed rate limits across multiple workers
5. Leaderboard â sorted

- Full ownership of the SEO output â every <meta tag, structured data block, androbots.txt directive is hand-tuned