Zaizai Isle App Summary

Repo-based summary generated from source files in this repository.

What it is

Zaizai Isle is a lightweight personal website and experimental space for AI-assisted product design and delivery. It presents an interactive bento-style interface built with Next.js.

Who it is for

Primary persona: visitors evaluating the creator's AI product design work (for example peers, collaborators, and recruiters).

What it does

- Renders a modular bento-grid homepage with multiple interactive cards.
- Supports bilingual UI content (Chinese/English) with persisted language selection.
- Shows live weather details for Shanghai, refreshed every 5 minutes with browser caching.
- Provides a guestbook with Supabase persistence and realtime insert updates when configured.
- Lets users customize background and text mode, persisted locally and optionally synced to Supabase in production.
- Includes an in-browser image compressor tool using client-side compression.
- Serves a docs area that renders Markdown files from the `docs/` directory with a generated TOC.

How it works (repo-evidenced architecture)

- **Frontend:** Next.js App Router app; home page is client-rendered and loads major cards via dynamic imports.
- **UI/state layer:** `LanguageProvider` and `BackgroundProvider` manage language/background state and localStorage persistence.
- **Service layer:** weather service fetches Open-Meteo (and has optional QWeather path), maps condition/icon codes, and caches results in localStorage.
- **Data layer:** Supabase client initializes from env vars; guestbook reads/inserts/subscribes to `guestbook`; background settings upsert to `user_settings` in production.
- **Content flow:** `/docs/[[...slug]]` reads Markdown from `docs/`, computes heading IDs, and renders with React Markdown.
- **Telemetry:** Google Analytics is injected only in production when `NEXT_PUBLIC_GA_ID` is set.

How to run (minimal)

1. Copy `.env.local.example` to `.env.local` and fill required values (Supabase URL/key, GA ID).
2. Install dependencies: `npm install`. Exact package manager lockfile: Not found in repo.
3. Start dev server: `npm run dev`.
4. Open `http://localhost:3000`.

Node.js version requirement: Not found in repo.