

NexClinical — Senior Dev One-Pager

Next.js + Sanity • Vercel • Resend

Last Updated: Jan 17, 2026 • Environment: Production

Architecture

- **Frontend:** Next.js 15 (App Router), React 19, TypeScript
- **UI:** Tailwind CSS, shadcn/ui
- **CMS:** Sanity Studio + GROQ + Image CDN
- **Rendering:** PageBuilder maps block `_type` → component
- **Deployment:** Vercel (ISR 60s, edge cache)
- **Email:** Resend API for contact form

Data Flow (5 lines)

- Edit in Sanity Studio → publish to `production`
- Next.js server components fetch via GROQ
- ISR cache revalidates every ~60s
- Images resolved via Sanity CDN
- No redeploy → content goes live within revalidation window

Key Decisions & Trade-offs

- **Sanity vs self-hosted:** Hosted, fast, CDN → vendor dependency
- **ISR vs SSR only:** Faster + cached → short staleness ($\leq 60s$)
- **Blocks/Page Builder:** Non-dev editing → needs schema rigor
- **GROQ vs GraphQL:** Native/simple → smaller ecosystem
- **Resend vs SMTP:** Reliable insights → cost vs DIY

Live Demo Checklist

- Homepage reads Services + Global Settings from Sanity
- Studio: edit a Service → publish → refresh after ~60s (ISR)
- Create a `Page` with Hero + Services blocks → visit `/[slug]`
- Submit contact form → verify email via Resend
- Open Vercel → show env vars + latest deploy logs

Tech & URLs

- **Frontend:** <https://nexclinical-frontend.vercel.app>
- **Sanity Studio:** <https://htfikdkh.sanity.studio>
- **Project ID:** `htfikdkh` • **Dataset:** `production`
- **Repo:** GitHub → [farooqrana/nexclinicalwebsite](https://github.com/farooqrana/nexclinicalwebsite)

Key Files

- `apps/frontend/lib/sanity.ts` (client + GROQ)
- `apps/frontend/components/blocks/PageBuilder.tsx`
- `apps/frontend/app/page.tsx` • `app/[slug]/page.tsx`
- `scripts/create-sanity-content.js`

Environment vars (Vercel): NEXT_PUBLIC_SANITY_PROJECT_ID=htfikdkh, NEXT_PUBLIC_SANITY_DATASET=production, RESEND_API_KEY