AI-Centered Modular EMR (MVP)

What it is

- An AI-centered, modular Electronic Medical Record (EMR) platform built around a stable core with optional department add-ons based on the needs of the users.

Who it's for

- Multi-department clinics that need tailored workflows without buying a bloated enterprise suite
- Pediatric practices and children's hospitals
- Pediatric oncology programs with active research pipelines

Core platform

- Medical Records: patient chart, record access tracking, clinical documentation support
- Pharmacy: medication list, dispensing workflow, RxNorm validation + optional dispense API integration
- Billing: charge capture foundations and workflow integration points

Add-ons

- General Pediatrics module
- Pediatric Oncology module
- Clinical Trials: continuous monitoring + criteria-based matching to patient records

The differentiator: Continuous Trial Monitoring + Ranked Matches

- The system monitors clinical trial sources and re-runs matching in the background.
- Clinicians get a "Trials" tab with matches scored 0–5 (5 = strongest match).
- Each match includes "why" (criteria met / missing) so providers can review quickly and safely.

AI done the right way

- Voice-to-notes and AI note generation are build-in but optional and clinician-reviewed.
- Confidence + rationale shown to reduce risk and build trust.
- Works with custom in-house or any external AI APIs.

Why now

- Clinician documentation burden and EHR usability are top drivers of burnout.
- Pediatric oncology programs need better trial awareness and workflow integration.
- Departments are demanding modularity: pay for what you use, configure to specialty workflows.

What success looks like

- Faster visit completion and fewer clicks for common workflows
- Reduced missed trial eligibility discussions
- Safer prescribing/dispensing flow with clearer risk signaling