

HEALTHCARE · AI-ENABLED MEDICATION MANAGEMENT

Delivering Genomic Results For Ongoing Clinical Decision Support at the Point of Care

Pharmacogenomics · AI Clinical Decision Support · EHR Integration · HIPAA Compliant · Market-ready Cybersecurity

The Science Was Solid. The Delivery Wasn't.

THE PROBLEM

- Genetic data was hard to interpret at clinical speed
- No EHR integration — insights lived outside the workflow
- Fragmented data across labs, EHRs, and patient records
- Platform needed to scale across multiple providers, healthcare systems and delivery models

THE IDEA

Make pharmacogenomics* secure & actionable inside real clinical settings.

THE TECHNICAL CHALLENGE

They had to build a platform that could take raw genetic data, make sense of it, and deliver the right clinical decision support inside the clinical workflow.

THE MARKET CHALLENGE

The genetic testing required processing large volumes of PHI. They had to build a cybersecurity maturity program to protect volumes of PHI in order to build confidence with the users and drive adoption.

**Pharmacogenomics – combining pharmacology and genomics to study how genes affect a person's response to drugs for personalized clinical decision support based on genetic makeup.*

A Modular AI Platform - Delivers Genomic Tests Results to the Point-of-Care.

PGx (pharmacogenomics) Decision Engine

Real-time gene-drug interaction alerts powered by CPIC, FDA, and PharmGKB guidelines. Fires automatically based on medications and genetic results.

AI Chatbot

Conversational AI for providers and patients. Ask a question in plain language, get a clinical answer backed by the patient's own data.

Patient Reported Outcomes

Captures real-time patient feedback on symptoms and adherence. Feeds the AI models so the platform keeps learning from real-world outcomes.

EHR Integration

Full SMART on FHIR integration with Epic, Cerner, and Meditech. Insights surface inside the tools providers already use — no new tab, no new login.

Medication Intelligence

Centralized medication list enriched with PGx insights. Flags high-risk drugs, identifies alternatives, and runs drug-drug interaction checks automatically.

HIPAA-Grade Security

Role-based access, MFA, SSO, and audit logging on a secure AWS architecture built for enterprise healthcare from day one.

Blended Intelligence Drives the Complete Development Lifecycle.

1 Data Intelligence

Unified labs, EHR data, genetic data, and patient outcomes integrated into one trusted source.

2 AI Intelligence

RAG-based LLMs turn data intelligence into patient-specific clinical decision support at the point of care.

3 Human Intelligence

Clinicians stay in control. The platform supports decisions — it doesn't replace the provider.

4 Security Intelligence

HIPAA-compliant architecture & cybersecurity maturity sequenced and built-in during the development. Not bolted on at the end.

From Idea to Market Adoption. Connecting Genomics to Outcomes & Optimizing Care.

Faster Clinical Decisions

Real-time PGx insights reduce trial-and-error prescribing at the point of care.

Seamless EHR Integration

Insights integrated inside existing clinical workflows. No behavior change required from providers.

Precision Medication Management at Scale

Platform supports multiple healthcare systems with an enterprise-grade, multi-user architecture.

Reducing Cost of Care

Fewer adverse drug reactions and unnecessary treatments translate to improved efficacy and lower cost of care.

Better Patient Outcomes

PRO tools and AI-driven education improve patient adherence and outcomes.

Uncompromised Security

HIPAA-compliant architecture. Enterprise-grade cyber security. Built to pass the toughest compliance requirements.

READY TO TRANSFORM YOUR BUSINESS?

**You have a hard problem?
That's our specialty.**

Contact us today. We'll guide you carefully through transformation.