

EMBEDDED ENGINEERING FOR A POPULATION HEALTH PLATFORM

Multi-module modernization across analytics, portal, and APIs

Challenge

A leading population health management software provider needed a capable technology partner to support development and modernization across its product portfolio. Multiple complex modules required parallel execution — from analytics and member portals to clinical services, document processing, and backend integrations — all while staying aligned to evolving healthcare standards. The client needed reliable, embedded engineering depth to drive smooth transitions and sustained product delivery without disrupting end users.

Approach



Modernized the analytics layer with Patient Drill Down, CQL Measure Editor, and Akumen BI app capabilities, strengthening clinical reporting and population insight tools.



Migrated the Member Portal from OKTA to Azure and engineered Service Plans, Service Authorization, and Service Messaging capabilities for a secure, scalable member experience.



Built aEthos CarePlan, medication, and immunization services; integrated Gainwell ADT event notifications with R3 voided plan support; and delivered Atlas OCR with large document loading.



Engineered Falcon member medication services, UDF referral functionality from Mongo to SQL, and API performance optimization to improve backend uptime and responsiveness.

Outcomes Delivered



Modernized critical population health modules across analytics, member portals, clinical services, and document workflows in a single coordinated program.



Improved end-user experience through faster APIs, secure cloud-based identity, and richer analytics that support clinical and operational decision-making.



Reduced system downtime and strengthened backend reliability, giving the client a stable foundation aligned with evolving healthcare standards.

Closing

Veltris combined embedded healthcare engineering, cloud and identity modernization, and clinical services depth to give a population health platform a coordinated multi-module transformation — improving experience, reliability, and standards alignment across the product portfolio.