



Transforming Healthcare Data Management For Enhanced Efficiency And Insights



60%
Annual Cost Savings

Data Repository
Encompassing **4 Peta Bytes**

Swift **Onboarding**

The client is a prominent global provider of healthcare software solutions and services with over four decades of experience. The company is renowned for empowering healthcare professionals to deliver efficient patient care and enable swift decision-making for better outcomes.



Business Challenge

The client faced significant challenges in data storage, data replication, and high operational costs. These issues hindered their ability to effectively utilize and harness the full potential of their data, impacting their overall business efficiency and decision-making capabilities.



Solution

To address the client's needs, our expert team designed and developed a cutting-edge Data Lake Platform capable of handling and processing billions of transactions from various data types. Key components of our solution included:

- Engineered a robust and scalable platform that served as a centralized repository for the client's diverse data, enabling comprehensive insights across the enterprise
- Developed a flexible framework to empower the client in building custom data pipelines, regardless of data format or source, leveraging Open-Source Big Data technologies (SPARK) and Cloud services (AWS) for cost-effectiveness and scalability
- Created a user-friendly Pipeline Development Kit, accelerating time-to-market and data processing by simplifying the creation of data pipelines tailored to the client's needs
- Designed and developed an Orchestration Development Kit to streamline onboarding processes for new tenants, seamlessly integrating them into the platform and enabling the scheduling of data processing pipelines in the cloud



Outcome

Innova's centralized data storage solution led to improved operational efficiency, rapid development, and unlocked data potential for the client. With streamlined data management and the ability to build once and use multiple frameworks, our solution laid the foundation for the client's continued growth and innovation in the healthcare technology industry.

- Achieved consolidated data repository, encompassing 4 Peta Bytes of cross-enterprise financial, operational, and clinical data at a single location
- Implemented centralized data solution resulting in 60% annual cost savings by eliminating scattered systems and streamlining data management with AWS infrastructure optimization
- Facilitated swift onboarding of new tenants with Pipeline Development Kit and Orchestration Development Kit, reducing time-to-market for new services and capitalizing on growth opportunities

Contact us at info@innovasolutions.com to learn more about how our expertise in data management can help unlock the power of your data assets.