Case Study

Surgical Data Access: How a Scalable Digital Surgery Platform is Enhancing Healthcare Operations?

Challenge

A leading healthcare organization aimed to create a centralized platform to manage and utilize data from various surgery robots. The goal was to democratize access to this critical data across the organization and its franchisees, addressing the needs of multiple user personas within a multi-tenant environment.

Solution

Using Databricks, we developed a robust Digital Surgery Platform that aggregates data from different robotic surgery systems. The platform ensures seamless data integration and provides tailored access to various stakeholders, including surgeons, administrators, and franchisees, allowing them to analyze surgical outcomes and improve operational efficiency.

Impact

- **Data Democratization:** Enabled access to critical surgery data across the organization, empowering diverse user personas to make informed decisions.
- **Operational Efficiency:** Facilitated real-time insights that helped optimize surgical procedures and outcomes.
- **Scalable Multi-Tenant Platform:** Built to accommodate multiple tenants with unique data requirements, ensuring a secure and scalable solution for the entire healthcare ecosystem.

About Straive

Straive is a market-leading content technology enterprise that provides data services, subject matter expertise (SME), and technology solutions to multiple domains, such as research content, eLearning/EdTech, and data/information providers. With a client base scoping 30 countries worldwide, Straive's multi-geographical resource pool is strategically located in seven countries - the Philippines, India, the United States, Nicaragua, Vietnam, the United Kingdom, and Singapore, where the company is headquartered.

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