

Data Architecture

Consulting across the data lifecycle: acquisition, cleanse, normalize, ensure, enrich, distribute, monitor, and administer

▶ Data Warehousing

Developing rich, business aligned, and customizable data repositories

▶ Database Architecture

Building fast and creative database systems

▶ Data Feeds

Componentizing data feeds into commodities

▶ Data Quality

Increasing the integrity of raw data

What We Do

We plan, model, design and develop robust yet simple database systems for the financial community.

Our clients repeatedly request our expertise to architect quant and fundamental research database platforms, centralized data warehouses, security master, transactional, portfolio accounting, performance attribution, and CRM databases.

We leverage our market proven database development methodology proven to increase quality and decrease short/long term technology investments.

- ❖ **STAGE I:** Discover data challenges, align with business, present business case
- ❖ **STAGE II:** Establish vision, phase the approach, estimate timeframes, acquire data
- ❖ **STAGE III:** Normalize data, abstract logic, modularize components, leverage design patterns, data growth predictive analysis
- ❖ **STAGE IV:** Develop, QA and performance test, validate alignments
- ❖ **STAGE V:** Deploy, automate, secure data, control and monitor data flows

Data Warehousing

Constructing the “single version of the truth” using change data capture techniques, raw data staging databases, operational data stores, and data marts.

Data Architecture

Building modular databases ranging from OLTP to OLAP, all of which seamlessly integrate with our client’s enterprise data management platform.

Data Feeds

Creating market data feeds can be complex, fortunately we leverage our toolbox of industry proven best practices when developing extract, transform and loading (ETL) strategies with data sources such as: Bloomberg, Reuters, Factset and with ECN’s.

Data Quality

We have developed a component-based architecture to cleanse, validate and rate the quality of data elements based on a risk-weighted model.

Client Benefits

By combining a little ingenuity, passion, and know-how, our clients tell us our work has benefited them through:

- ❖ **Newly pioneered investment strategies** through increased trust in data quality and exposure to once-hidden silos of enterprise data
- ❖ **Enhanced operational efficiencies** by streamlining back-office automated operations
- ❖ **Front-office productivity enhancements** through improvements to real-time database performance
- ❖ **Quicker time to market** through our financial data warehouse framework
- ❖ **Mitigated counterparty risk** through centralization of reference data and credit reports in data warehouse

About Advanti Solutions

Advanti is a technology consulting firm focused **exclusively** on financial institutions. We help our clients with their technology: strategies, software, data, people, processes, risk, and operations.

Our [client profile](#) consists of investment managers, private wealth managers, and hedge funds, with an average AUM of \$200B.

We are passionate about every challenge we take on and commit to unwavering success for our clientele.

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