

**Ingest**

Processing the sizeable volume and variety of data collected by financial institutions, especially unstructured and semi-structured data, is a complex challenge. Using the latest tools and technologies, we help our clients efficiently organize and store data of all kinds in on-prem, hybrid, and cloud-based infrastructures.

**Transform**

To perform meaningful analytics, data must be accurate, consistent, and complete. We design, implement, and manage ETL/ELT processes at scale with automated pipelines to facilitate efficient data transfer and automated monitoring solutions that test and enhance data quality.

**Analyze**

The vast data collected by financial institutions can be a goldmine of insights with the proper modeling and analytics. With cutting edge tools such as artificial intelligence, machine learning, and graph analytics, we help our clients unlock the full potential of their data to manage risk, optimize portfolios, and streamline operations.

**Consume**

To take effective data-driven action, stakeholders must have timely access to digestible insights. We enable swift and informed decision-making for our clients by building unified interfaces that deliver sophisticated visualizations, dashboards, and reporting mechanisms.



**Governance & Compliance**

A structured governance framework is essential to ensuring effective data management. We equip our clients with strategies to ensure they manage their data with care and responsibility throughout its lifecycle as well as maintain compliance with regulations including SOX, GLBA, and more.

**Financial Controls**

Controls play a critical role in data management by ensuring data quality, regulatory compliance, security, and risk mitigation. We provide clients with the structure and mechanisms to protect and manage data effectively, which underpins the overall success of an organization's data management efforts.

Modern enterprises collect vast amounts of data but struggle to harness its value. According to Gartner, only 22% of analytics insights delivered business outcomes in 2022.

**Make Your Data A Strategic Asset**

Leading financial institutions around the world increasingly rely on data to inform their decision-making, but this demands accuracy, reliability, and accessibility across the data lifecycle.

At FI Consulting, we combine technology expertise with industry perspective to provide tailored data management solutions that optimize portfolio management, strengthen risk mitigation, and streamline operational efficiency.



FI provides the right combination of people, processes, and technologies to develop and execute data management strategies that support real business goals. With 20+ years of experience delivering solutions that support data management, we've helped clients manage more than \$3 trillion and leverage their data to achieve transformative results.

### DATA COLLECTION

- Data lake, warehouse, and lakehouse creation
- Unstructured data (e.g., documents, forms, images) ingestion using AI
- ETL/ELT processing with support from IaC and DataOps CI/CD pipelines
- Cloud-native storage and autoscaling services

### DATA ANALYTICS

- Unified data visualization and sharing platforms
- Lakehouse integration with models and end-user computing (EUC) applications
- API design, implementation, and maintenance
- Predictive modeling with artificial intelligence, machine learning, and graph analytics

### ARCHITECTURE MODERNIZATION

- Legacy system modernization & retirement
- Replacement of manual processes with automation
- Orchestration and integration of siloed data
- Robotic process automation (RPA)
- Automated data monitoring solutions
- App rationalization with cloud-native migration

### DATA GOVERNANCE & SECURITY

- Data discovery and mapping
- Catalog, dictionary, and taxonomy management
- *n*th-party risk management
- Multi-factor authentication (MFA)
- Access control tools (e.g., AWS Lake Formation)
- Data backup and recovery

### FI's RECENT IMPACT



**Cut model runtime by 75% after designing and implementing a microservices-based architecture**



**Expanded application processing efficiency by 80% with migration to AWS and cloud-native services**



**Streamlined data access for \$800B+ portfolio by creating and installing data lakehouse and ETL/ELT processes**

Leading commercial and government financial institutions count on FI's expertise. For more information, please contact:

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