Data is everywhere. It reshapes business models, builds new relationships, changes behaviors through trends and patterns, but can also disrupt how an organization competes and thrives if not harnessed and leveraged correctly.

Microexcel's Custom Software Development (CSD) division provides core services around data including data conversion, data migration, and data modeling that help meet immediate and long term needs. We help organizations turn their data challenges into gold mines of opportunities.

Data Conversion Services

Data comes in many formats and streamlining your data formats for consistency should be a focus. Microexcel's Custom Software Development (CSD) practice can cost effectively convert your structured and unstructured data into any format of your choice.

▸ Import, validate and split the data into multiple tables within a new database. Formats include:

▸ XML, HTML, XLS, Adobe PDF, SGML, Word Docs, Mainframe Data, etc.

▸ Rekey huge amounts of data

▸ Take electronic or paper versions of your data and convert them into any format allowing you to easily use old historic data

▸ Convert legacy system data

Our conversion process is simple and standardized. We identify the data source, identify the data destination, convert the data, and load and review to ensure consistency and accuracy.

Microexcel's Custom Software Development (CSD) practice uses the following key strategies used in conversion engagements:

▸ **Planning:** Project/data definitions, asking the correct questions.

▸ **Business adoption:** The business needs to understand and support the need for a conversion

▸ **Data Standards:** Defining data standards will allow for consistency and lead to a successful conversion

▸ **Data Quality:** Having high quality data will ensure a smooth conversion

▸ **Data Management:** Having a plan to manage the data and reduce duplication is critical

Data Conversion Project Highlight

Microexcel CSD helped a medical publisher take their legacy data from unformatted PDFs into structured XML with a rekeying project of more than 2 million characters. Not only was the conversion guaranteed at 99.995% accuracy, but it was done in 7 days.

Data Migration Services

As businesses require upgrading applications and systems on a continuous basis, ensuring a plan is in place around how you will migrate historical data into new corporate applications and systems is critical. Rely on Microexcel's Custom Software Development (CSD) practice of over 25 years of experience migrating mission critical data for your next data migration needs.

- Migration architecture, timing of migrations, and combining migrations and conversions is our expertise.
- Migration process:
  - Data analysis and review of current implementation
  - Data mapping of as is and to be
  - Migration of data
  - Load and review

Data Migration Project Highlight

Microexcel CSD worked with one of the country's largest accounting practices to migrate their huge data from a simple HTML application to a structured XML based on an analysis and design project. We were able to migrate the entire data set, which was used by 65,000 auditors, successfully and on time and under budget.

Data Modeling Services

Data modeling is generally the first step when analyzing data. Typically, as part of a larger development project, data models are built in the analysis and design phases to help fully understand the data characteristics and relationships to the application. This ensures the data is reliable and consistent. With over two decades of experience, Microexcel's Custom Software Development (CSD) practice follows a well-structured approach, with defined standards and techniques to carry out a comprehensive data architecture roadmap. We have extensive expertise in:

- Conceptualization to physical execution of the logical model (fine tune, configure, and optimize)
- Data management concepts, practices and procedures
- Data design and architecture
- Logical and physical data modeling and development
- Relational database management and data integration

A key differentiator in our approach is ensuring buy in and sign off from all involved in the data modeling process, whether it's a simple project or an enterprise-wide initiative.

Data Modeling Project Highlight

Microexcel CSD has delivered a complete conversion from old legacy content to a production ready XML for the largest public Accounting Publisher in the U.S. while maintaining the old system in unison with the new system. After the conversion and approval was complete, Microexcel CSD was able to turn the switch and have the new data be live in production on the first day.

To learn more about how you can benefit from our IT expertise and professional services, please contact us at **info@microexcel.com**

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