

COLLIERS INTERNATIONAL

Tools Summary:

- SSMS
- SSIS
- Power BI
- Microsoft CRM+

During the time I spent at Colliers International I worked for real estate brokers and consultants generating reports using SQL Server and Power BI visualizations.

Most common business requirements for these reports:

- Identify new opportunities available in different locations using dimensional tables.
- Calculate market measures such as vacancy rate, rent per sqf, lease and sales pricing, amongst others, using fact tables.

Assisted the Software development team to test data migration from one internal deal tracking system to another.

VISIER INC.

Tools Summary:

- SQL shell scripts
- Power BI
- Python
- XML
- Command Line
- Visier Cloud ETL

Worked with multiple technologies as a data engineer and BI consultant to transform and load data into my customers' web application.

Please find relevant topics, visualizations and customers here:

<https://www.visier.com/solutions/organization/>

Customer facing

Conducted meetings with clients from tech and non-tech companies to understand the business questions they were trying to solve.

Performed data discoveries where client and Visier teams would gather to determine the types of files client needed to provide.

Application and database development:

Used SQL scripts in Shell to generate View Tables, Visier Cloud ETL to transform the data and XML code to display visualizations within Visier web application *Workforce Analytics* and later *Visier People*.

Testing and Customer Support:

Created custom python scripts to automate solutions to common problems such as:

- Who is missing from my application and why?
- Appending headers or new rows to txt files.

Power BI used during the onboarding phase to illustrate how their data will look in the requirements gathering phase; this helped customers to determine the quality of their data before implementing work.