JAMES CHRISTOPHER MATTINGLY

TRAINING & KNOWLEDGE

Python Library & Tools

Library	Purpose
Pandas	Processing large datasets
Dash-Plotly	Web Interactive Components (HTML/CSS, JavaScript-React)
AG-Grid	Interactive Tables and Components
SQLAlchemy	Object Mapping Data Classes and SQL Queries
Streamlit	Rapid web deployment (HTML/CSS, JavaScript-React)
Flask	Web Framework (HTML/CSS)
Plotly	Interactive Data Visualization
Editors	PyCharm, IntelliJ, JupyterLab

Database Management

Database	Interaction
MS SQL	TSQL Queries, Server Reporting Services
PostgreSQL	pgAdmin interface with SQLAlchemy, SQLite, Web Applications
SQLite	SQL interface with PostgreSQL, CSV, Web Applications
MS Access	MS Access Query

Finance and Accounting

Category	Preparation and Analysis
Financial Reporting	Profit & Loss Statements, Balance Sheet and Cash Flow
Project Accounting	Tracking actual labor, material, overhead and progress towards completion
Product Accounting	Analyzing product actual vs. standard costs for labor, materials and overhead
Contract Pricing	Preparing cost proposals for large contracts ($100M+)
Budgeting	Preparing and modeling business sales, product, labor and administrative costs
Auditing	Financial records, Sarbanes-Oxley compliance, inventory
Mergers/Acquisitions	Sales and Cost modeling, Gap Analysis and Change Mapping
Microsoft Tools	Excel pivot tables, lookup tables, Oracle Hyperion, other