

CANDIDATE PROFILE

James has over 20 years of experience which includes an advanced proficiency of Microsoft Data and Business Intelligence products including Azure Data Factory, Azure Synapse Analytics, SQL Server, SSAS, SSIS, SSRS, SharePoint, Power BI, and the Microsoft Office Suite. He is currently transitioning his current employer to a file-based data lake solution utilizing Azure Data Lake Gen2 Storage and Snowflake. James has a Master of Professional Studies degree from Georgetown University.

EDUCATION & TRAINING

Georgetown University, Washington, D.C.

Master of Professional Studies (M.P.S.)

Technology Management

North Carolina State University, Raleigh, NC

Bachelor of Science (B.S.)

Business Administration / Finance

SKILLS

Microsoft Azure Data Factory – Snowflake – Synapse Analytics – Azure DevOps - Agile Development - Systems Analysis, Requirements Analysis - Data Mining -Business Intelligence -Data Reporting -ETL Database Design -Online Analytical Processing -SQL Server -SSAS-MySQL-SSPS -Tableau -Power BI
-Qlik -Oracle

EXPERIENCE

SENIOR DATA ENGINEER

October 2019 – Present

CFA Institute

Manages the development of cloud-based solution architecture supporting the global shift of CFA Institute exams to 100% Computer-Based-Testing. Leads data teams of full-time and contingent workers developing integrations with multiple vendors and internal systems. Architects, develops and supports data staging, processing and semantic layers which enable exam grading, candidate results delivery, and other internal processes. Transitions the CFA Institute to a file-based data lake solution utilizing Azure Data Lake Gen2 Storage and Snowflake.

- Designs integrations with vendors and internal systems to support outcomes, grading, results processing and candidate results delivery. Leverages Azure SQL, Data Factory, Synapse, Azure Gen 2 Data Lake, Databricks, Snowflake and other cloud Technologies.
- Azure data development from the integration/staging layer up to the reporting layer.
- Implements and maintains a cloud-based grading platform (Azure IaaS) utilized by psychometric staff to perform exam equating.
- Performs Data Lake design, development and maintenance.
- Provides leadership and mentoring of 14 full-time and contingent data team members.
- Works with internal data scientists, psychometricians, analysts, and business users to provide capable semantic data layers supporting advanced data analysis and visualizations, as well as standardized operational reporting.

BUSINESS INTELLIGENCE LEAD

April 2012 – October 2019

University of Virginia Health System

Managed the organization's information architecture and kept up with industry best practices through conference attendance and self-study. Provided leadership and mentorship for a team of 11 developers, business analysts and data stewards. Modeled, designed, and implemented an Enterprise Data Warehouse utilizing Kimball methodology. Quickly ascertained strategic business needs and worked rapidly to develop supporting technical infrastructure.

- Led the development of the standardized Enterprise Data Warehouse to maximize value. Worked with stakeholders and senior management to create service line-specific analytics roadmaps.
- Served as responsible party and product owner for final implementation of all BI analytical solutions. Evangelized the treatment of data as an asset to individual contributors and senior management.
- Developed and implement methodologies for completing unit testing of new code releases.
- Deep analysis of data lifecycle from source system to final presentation.
- Worked cross-functionally within the Health System and University to evaluate business processes and produced advanced mission-specific reporting and analytics.
- Oracle, TSQL and SSIS, and SSAS Tabular Development daily.

DIRECTOR OF REPORTING SERVICES

April 2008 – April 2012

Georgetown University, Office of University Advancement

Supervised data analysts and SQL programmers performing financial reporting and data analysis regarding prospects, current and potential donors to exceed \$1.5 Billion in fundraising. Mentored both direct reports and indirect reports. Managed the timely and accurate fulfillment of the analytical needs of the 200+ member Advancement team. Utilized TSQL and SSIS daily.

- Managed dozens of special projects analyzing donor behavior, propensity, events attendance and trends for university marketing, events, direct appeal, and major/leadership gifts staff.

- Implemented a predictive modeling program designed to evaluate population affinity and giving propensity.
- Discovered underutilized market segments with high potential for growth and recommended strategies for engagement.
- Participated with senior leadership in the formulation of marketing plans, serving as the technical lead for design and implementation.
- Performed system requirements analysis and design for the integration of new business processes, including endowment tracking, and events registration systems.
- Designed and instituted corresponding user training regimens for approximately 200 department staff.

DATABASE/CAMPAIGN SPECIALIST

May 2006 – April 2008

University of Alabama, Office of University Advancement

Designed and implemented an endowment reporting system that accurately assimilated disparate data and handled reporting of endowment value, student awards levels, and donor notification. Designed ETL processes using Microsoft SSIS.

- Spearheaded the qualification of projects and analyzed donor propensity and capacity data for five executive university staff and 24 development officers engaged in a \$500 Million+ capital fundraising campaign.
- Served as a responsible party for fulfilling all analytical and informational needs.
- Administered and upgraded the University's CRM databases and SQL servers.

NETWORK AND DATABASE SYSTEMS MANAGER

July 2004 – May 2006

University of Alabama in Huntsville, Office of University Advancement

Managed the University's quarterly direct mail appeal including the development of market segments and the oversight of fulfillment by outside vendors. Provided data reporting and analytical support to five Deans', four major gift officers and direct marketing staff.

- Administered two MS SQL databases, Microsoft Windows Servers and Active Directory with approximately forty client nodes as well as the University's CRM and development databases.
- Orchestrated all vendor agreements and IT purchasing for eight vendors with an annual budget of \$30K.
- Supervised information technology support staff and contractors.

INFORMATION SYSTEMS MANAGER

January 2002 – July 2004

American Telemessaging

Designed a data reporting infrastructure and presentation layer for analyzing call time data, operator performance, ticket resolution, and sales volume. Managed and administered all corporate IT systems and related purchasing. Supervised technical staff and mentored business systems users.

- Maintained multi-site corporate network, consistently ensured customer Service Level Agreements (SLAs) were met 100%.
- Participated in business development virtual teams to develop proposals and ensure technical needs could be met.
- Installed, configured and maintained all server, client and network systems for a multi-site inbound calling center with forty call center staff receiving approximately 350 calls per hour.