

Relevant Experience

Carnegie Mellon University

November 2022 - Present

Principal Data Applications Administrator

2022 - Present

Member of the Data & Digital Enablement Team, providing enterprise data warehouse and business intelligence solutions across the university and its related activities.

- Snowflake site administrator. Responsible for deploying databases, associated objects, roles, and security permissions. Maintain and develop alerts, providing visibility of RBAC changes and warehouse utilization. Provide business teams with introduction, technical training, and support as part of the data migration process.
- Perform and monitor data integrations through Fivetran (Cloud and LDP), managing LDP Hub servers and coordinating LDP Agent deployments with the DBA team.
- Coordinate between D&DE team and Data Governance Office. Develop and deploy changes to Snowflake.

Aetna Insurance (CVS Health)

June 2019 - November 2022

Manager, Informatics

2022

Member of the Medicare Sales Reporting Team, providing technical and data analysis support for Medicare Individual Sales across the organization.

- Serve as one of the team's technical leads to request IT services and solutions, including requesting and completing UAT to have new tools and software available across the enterprise.
- Mentor junior team members on technical and development issues.
- Provide technical expertise and lead data integration projects with other Aetna teams, including Broker Communications, Broker Services, Internal Sales (Field Sales), Sales Support, and Salesforce Engineering.

Informatics Consultant/Lead

2019 - 2021

- Monitor and troubleshoot backend ELT activities on database servers [SQL Server 2019], update existing and develop new SSIS packages to run on current release.
- Generate ad hoc reporting and analysis to resolve questions regarding individual Medicare enrollment processing.
- Enhance existing extracts to improve throughput and provide better results. Work includes querying and obtaining results from other RDBS, including Oracle and DB2.

Pharmacy Quality Solutions

February 2015 - August 2018

Manager, Analytics

2017 - 2018

Supervise business intelligence/analytics team and execute data management projects.

- Oversee data warehouse and business intelligence environments, continuing to apply SQL Server performance tuning and optimizations.
- Migration of data warehouse into new server environment and upgrade to SQL Server 2016 Enterprise.
- Developed medical claims import process and outcomes measures to generate opioid abuse measures.
- Developed SSIS reporting package that utilizes Excel workbooks as reporting templates.
- Review internal releases and approve all database and BI application-level patches.
- Serve as internal and external SME for reporting, measure analysis, and data verification, providing access to approved sources and answering inquiries regarding data management issues.

Informatics Specialist

2015 - 2017

- Took data warehouse from concept to initial implementation within nine months.
- Created SSIS packages that manage client data sets dynamically whenever supporting database objects are created. Wrote specialized SSIS package to support various forms of slowly changing dimensions, which was necessary due to data export specifications and design practices within the production environment.
- Implemented reporting packages that support standard and custom layouts, vastly increasing the total reports that could be generated while reducing the total effort required to generate and deploy them.
- Automated computation of national and state decile benchmark results across measurement sets.

InRhythm, Inc.

January 2014 - October 2014

Systems Architect

- Developed and maintained database processes, software applications, and reports within clients' business analytics environments.

- Investigated and resolved performance issues across database server farm [SQL Server 2008/2008 R2].

University of Pittsburgh Medical Center

February 2011 - November 2013

Systems Analyst - Lead**UPMC Presbyterian Shadyside Hospital**

Technical lead within Quality Improvement department – Responsible for directing and developing the technical projects, data analysis, and reporting needs to meet organizational, corporate, and regulatory requirements.

- Lead analyst and subject matter expert for Data Warehouse/Cognos and Crimson Continuum of Care platforms.
- Constructed departmental SQL Server databases [SQL Server 2008/2008 R2] and web applications to collect, organize, and report on hospital performance measures, which eliminated most of the manual effort to update reports and dashboards.
- Automated patient satisfaction data extraction, resulting in a 10-fold reduction in processing time.
- Developed solution to generate and distribute monthly patient satisfaction results to attending hospital physicians (1200+).

Heritage Valley Health System

August 2009 - January 2011

EHR Developer**Tri-State Medical Group, Inc.**

Provided support for Electronic Health Record [SQL Server 2005] database processes and applications.

- Upgraded components and applications from .NET Framework 1.1 to 3.5, as well as converting VB to C# 3.0.
- Recreated Crystal Reports 6 environment into SQL Server Reporting Services.
- Redeveloped existing ASP/VBScript web applications into ASP.NET 3.5/C#, including CSS layouts for PC, smartphones, and iPad.
- Developed ASP.NET membership provider that supported Active Directory security roles.

University of Pittsburgh Medical Center

November 1999 - May 2009

Systems Analyst - Intermediate**eBenefits Solutions, LLC**

2008 - 2009

- Developed SSIS packages that delivered subscriber updates to insurance carriers.
- Coordinated the migration of eBenefits hosted server environment into the UPMC data center, reducing annual operating costs by over \$60K.
- Introduced monitoring and notification tools to quickly gauge and identify performance issues across SQL Server and IIS server environments.
- Optimized indexes and stored procedures, reducing overnight processing by >90%.

Programmer Analyst**UPMC Passavant Hospital**

1999 - 2008

Responsible for the development/implementation of complex technical solutions to fulfill the reporting and software needs of both internal and enterprise customers.

- Data warehouse reporting including clinical, financial, patient accounting, admissions, and regulatory submissions.
- Automated reporting and data transfers between Passavant and other business units.
- Developed balanced scorecard website for tracking KPIs and was first UPMC hospital to do so.
- Generated data sets and perform other conversion tasks necessary to provide Passavant data through corporate data warehouse schemas.
- Developed and maintained conversion package that transformed Passavant Data Warehouse (based on Meditech) into native Medipac nightly extract files for the UPMC Corporate Data Warehouse. **Out of three hospitals within UPMC directed to develop this capability, only Passavant completed on schedule and incurred zero external costs.**

Technical Presentation

Data Warehouse Integration in a Healthcare Setting: Orienting patient information across various Medical Information Systems

Presented at the Carnegie Mellon University Database Group Seminar - April 2007

Military Service**United States Marine Corps Reserve**

1995 - 2001

4th LSE Co (-), 4th LSB, 4th FSSG - Vienna, OH

Corporal, Motor Vehicle Operator (3531) - *Honorable discharge upon completion of service.*