JESSICA JOHNSON

SUMMARY

Highly-motivated and passionate data professional with a strong background providing enterprise business intelligence, data warehousing and analytic technical solutions across various industries, including Healthcare, Energy/Utilities, Legal, Finance and e-Commerce, to solve challenging business problems and provide actionable data insights.

RELEVANT EXPERIENCE

Microsoft
Technical Solutions Professional – Data & AI   **1/2018 – Present**

- Demonstrate deep subject matter expertise of data warehousing and advanced analytics services to key stakeholders, to show the ways digital transformation can help health and life science organizations by leveraging the Microsoft Intelligent Cloud.
- Provide technical education, demonstrations, architecture design blueprints and proof of concepts solutions to solve technical challenges and enhance business insights.
- Produce technical results and maintain personal customer relationships as a trusted technical advisor.

Pragmatic Works
Business Intelligence Consultant   **2/2017 – 12/2017**

- BI Developer for multiple engagements nationwide covering various components of the Microsoft BI SQL Server Stack.
- Instructed multi-day onsite client Power BI workshop reviewing development concepts and delivering PoC solution.
- Technical QA Lead for an engagement: responsible for developing test strategy and design patterns utilizing Pragmatic Works LegiTest, as well as aided in project plan development and resource management activities.
- Project Lead for engagement extension: responsible for resource management, client communications and project budget tracking.

MedExpress
Senior Business Intelligence Developer   **10/2016 – 2/2017**

- Aided in the implementation of an Agile BI/DW methodology through collaborative project planning activities.
- Led cross-functional team working sessions to translate business requirements into business intelligence solutions.
- Mentored junior team members on business intelligence/data warehouse concepts and methodologies.
- Spearheaded an ETL Framework strategy to standardize SSIS packages utilizing best practices
- Created functional/technical documentation (Target mapping, Functional Business Requirements Document (FRD), etc.)
- Architected a dimensional model to integration multiple source systems: Athena, DocuTap, Salesforce and SharePoint.
- Participated in the selection, evaluation and interviewing process for all business intelligences staffing.

Duquesne Light Company
Business Intelligence Developer/Technical Lead (Contract)   **OpenArc, LLC.**   **3/2016 – 10/2016**

- Implemented an Executive Time Management Power BI Dashboard and reporting package sourced from custom Time & Attendance system to provide insight for project financial and resource management strategic initiatives.
- Managed Enterprise Date Warehouse (EDW) Testing strategy, design and documentation.
- Collaborated in EDW Project Planning tasks to prioritize project tasks and provide project timelines.
- Maintained functional and technical BI/EDW documentation.
- Implemented ETL Framework with logging, configuring and dimensional modeling patterns to aid in rapid development.
- Organized and conducted Business User BI Training (Data Modeling overviews and Power BI Training).
- Engineered advanced ETL structures (Slowly Changing Dimensions, Timespan Aggregating Facts, etc.) sourced from Oracle Utilities Suite: Customer Care & Billing, Meter Data Management, Mobile Workforce Management and Work & Asset Management.

UPMC
Lead Data Analyst   *Prodigo Solutions*   **9/2014 – 1/2016**

- Orchestrated and planned all phases of data warehouse development lifecycle.
- Collaborated with business users to develop strategic, actionable dashboards and reports to analyze customer spend and contract utilization leveraging the Microsoft BI SQL Server Stack (2014).
- Led the analysis to identify and report areas of cost-savings opportunities for a given customer.
- Developed automated ETL processes to process and analyze ERP system data: Lawson, PeopleSoft and Meditech.
- Executed complex ad-hoc SQL queries when immediate data access was required.
- Participated in interviewing and candidate selection activities.

EDUCATION

Graduate Program,
*Applied Statistics *current**
Penn State University

Master of Science,
Health Informatics
Northeastern University

Bachelor of Science,
Computer Science
University of Pittsburgh

Intermediate Certificate,
Oracle 9i
A.W. Beattie Career Center

TECHNICAL SKILLS

Business Intelligence (BI)
Data Warehousing
Data Analysis
Data Processing
Dimensional Modeling
Data Visualization Tools
Data Quality/Testing
Complex/Ad-Hoc SQL

SOFT SKILLS

Business Acumen
Strategic Planning
Agile Project Management
Requirements Gathering

LANGUAGES

SQL
Python
R
C#
DAX

DATA TOOLS

Juypter Notebooks
Azure SQL Database
Azure SQL Data Warehouse
Azure Data Factory v2
Azure Logic Apps
Power BI
SQL Server BI Stack
Git

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Data Warehouse Data Modeler   *Via Oncology*   1/2013 – 9/2014
- Assisted in task organization and project roadmap development for the expansion of an existing data warehouse.
- Developed custom automated ETL process build and deployment system using Maven, PowerShell, Microsoft APIs.
- Utilized the Microsoft BI Stack (2008 R2) to develop and maintain ETL processes and analytic reporting solutions.
- Synchronized data models, dictionaries and other database documentation across customer environments.

West Penn Allegheny Health Systems
Associated Data Warehouse Developer   10/2011 – 1/2013
- Collaborate with key stakeholders to design analytic data structures to meet operational and tactical business needs.
- Implemented Talend Studio ETL processes to support physician billing and hospital finance data marts.
- Developed and maintained various Cognos 10.1 OLAP cubes containing business critical KPIs representing aggregations in several ways – hierarchically and custom groupings.

Business Intelligence Engineer (Contract)   *Synergy Staffing*   8/2011 – 10/2011
- Implemented several mission-critical, enterprise-wide tactical and operational reports leveraging IBM Cognos 10.1 suite.
- Led business user and analyst training sessions for core reporting packages, as well as the Cognos 10.1 reporting toolset.
- Collaborated with developers, DBAs and other personnel to gather and interpret analytic requirements to design BI solutions.

Technosystems Service Corporation
.NET Software Developer/Report Developer   11/2010 – 8/2011
- Implemented operational & tactical analytic solutions using SQL Server Reporting Services (2008) and Crystal Reports to improve customer retention and monitor marketing initiatives.
- Developed VB.NET Data access and supporting MS SQL objects to interface with 3-Tier architecture ecommerce website.
- Migrated legacy ASP to VB.NET/ASP.NET e-commerce website.

ADDITIONAL EXPERIENCE

Fiver Star Development
.NET Web Developer (Contract)   8/2010 – 11/2010
- Worked closely with a team of developers and project managers to develop a variety of SQL Server database & NoSQL (MarkLogic) database driven C#/ASP.NET web applications for a corporate contracted client.
- Implemented data access functionality using .NET Web Services, XML/XQuery, LINQ, and Ajax custom controls.

University of Pittsburgh
Moyé Research Fellow   *Department of Computer Science*   5/2010 – 8/2010
- Developed a C# application demonstrating the usage of Dijkstra's shortest path algorithm to find the shortest path travelled along an allocated pathway to enable a structure-based visualization of the Myosin Protein.

CedarStore.com
.NET Web Developer (Part-Time)   2/2009 – 6/2010
- Designed and implemented an in-house web-based operational & web analytic decision support system using Microsoft C#/ASP.NET and SQL Server 2008.
- Developed various web-based content management pages for data-driven ecommerce website.
- Conducted instructional sessions on reporting and content page usage for all staff.

United Steelworkers of America
Information Systems Intern (Part-Time)   1/2007 – 2/2009
- Focused on expanding knowledge in the field of information technology through various team and independent data processing projects.
- Participated in projects focused on data process improvement and automation through VB.NET/ASP.NET web applications and VBScript back-end script development and implementation.

LEADERSHIP

Microsoft
HLS Technical Community Lead (Data)
2018 – Present

Microsoft
HLS Tech Council for Good Health Data Nominee
2018 - Present

Robert Morris University
CIS Advisory Board Member
2017 - Present

HDM Innovations, LLC.
Co-Owner
2014 - 2018

WerkOut.com
Lead Technical Advisor
2010 – 2011

Butterfly Medical Foundation
Executive Board Member
2010

Steel City Software Solutions, LLC.
Co-Owner
2009 – 2010

Carnegie Mellon ITS Conference
Web Technologies Advisor
2009

COMMUNITY INVOLVEMENT

Professional Association for SQL Server (PASS) Member

Power BI User Group Member & Speaker

Girl Develop It Member

Big Data Meetup Member

Health 2.0 Meetup Member