Jennifer Bodiford

SQL Database Engineer and Data Administrator

EXPERIENCE

Big Brothers Big Sisters of America, remote —*Senior Database Developer, ETL Developer*

📆 April 2020 - present

- Provisioned memory optimized Azure VMs, installed and configured SQL Server across multiple SSDs for RDBMS
- Migrated databases across instances and decommissioned on prem servers
- Modeled and implemented a SQL data warehouse in Azure including database backups and health checks
- Designed, developed, and tuned SQL Server stored procedures, functions, views, indexes, and triggers to ingest data for performant Power BI analysis and data visualization
- Created and maintained custom Power BI reports with applicable filters for three dimensional analysis using DAX and research based statistic models, effectively doubling the number of reports and data available to the end users while increasing user adoption by 45%
- Architected comprehensive data solutions for process automation such as third party API integrations within Salesforce, using both custom Apex triggers and classes, as well as native declarative functionality such as custom objects, fields, workflows, and validation to create a consistent and efficient user experience
- Constructed, documented, and maintained source control versioning and deployment processes using GitHub and Gearset tooling to minimize production disruption
- Created both end user and technical documentation for agencies, other National departments, and IT staff while working across teams to assess and troubleshoot potential data quality issues at key intake points, implement validation controls, and perform data corrections, when necessary, in a timely manner

Blackbaud Europe, Ltd., London, UK — *Technical Consultant*

📆 April 2018 - March 2020

- Created, updated, and executed repeatable SSIS packages with custom T-SQL scripts to automate the conversion of client legacy data into Blackbaud's database software solution The Raiser's Edge
- Created indexes, views, stored procedures, and functions to optimize ETL performance and minimize downtime
- Formatted non-SQL Server source databases for data ingest and export, using tools like Visual Studio, Git, and PowerShell

CONTACT

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🖥 JBodiford.me

TECH STACK

9+ yrs SQL Server (2008-2019)
6+ yrs Cloud (Azure/AWS)
6+ yrs Data Integration (SSIS)
6+ yrs Source Control (VSTS & GIT)
2+ yrs Data visualization (Power BI)
4+ yrs Object Oriented (C#,VB,Apex)
4+ yrs Script (JS,Python,PowerShell)
1+ yrs noSQL (MongoDB)
1+ yrs Oracle & MySQL

CERTIFICATIONS

MCSA: SQL 2016 Database Development

MCSE: Data Management and Analytics 2019

EDUCATION

🎓 Masters in Library Information Science
University of South Carolina
Columbia, SC | 2013

🎓 Bachelors in Media Arts
University of South Carolina
Columbia, SC | 2006

SOFT SKILLS

Jennifer Bodiford

SQL Database Engineer and Data Administrator

- Installed, administered, and upgraded developer environment software and configurations in Azure
- Maintained database backups jobs and monitored conversion server performance of multiple VMs
- Worked closely with sustained engineering to identify, correct, and test CVE bugs and features
- Performed data analysis and resolves client database issues reported through Jira prior to production using Kanban methodology
- Ensured all data is stored and transmitted in accordance with PCI and GDPR regulations
- Communicated technical details of conversion implementation to non-technical business stakeholders
- Collation (language) support for international sales team

Blackbaud, Inc., Charleston, SC — *Technical Consultant*

🗓 October 2016 - April 2018

- Created, updated, and executed custom T-SQL scripts to automate the conversion of client legacy data into Blackbaud's database software solution The Raiser's Edge for Enterprise level clients
- Administered locally hosted production conversion environments
- Trained non-Enterprise level data analysts on data conversion considerations for Enterprise level clients
- Installed Oracle 12c database and migrated data from Oracle to Microsoft SQL Server using OracleToSQL utility and SSIS

BoomTown ROI, Charleston, SC— *Data Exchange Analyst*

🗓 January 2014 - August 2016

- Constructed database queries using SQL Server 2012 and MongoDB to analyze and preserve listing feed data accuracy and consistency
- Constituted and mapped metadata schemas between RETS servers and the 5TB SQL Server database for listing ingest
- Monitored data ingest and server performance implementing corrections when necessary
- IDX client support and communication using software such as UserVoice, Salesforce, and Jira
- Identified, prioritized, and documented software bugs within the custom CRM and CMS of WordPress
- Automated and improved Data Exchange team data ingest practices using custom Excel Macros and VBA
- Created complex business reporting and visualizations using Tableau

✓ data driven
✓ curious
✓ troubleshooting aptitude
✓ problem assessment & resolution
✓ document preparation
✓ effective communication
✓ project estimation
✓ research & discovery
✓ change management
✓ international experience
✓ continuous learning
✓ able to dunk a perfect Oreo

REFERENCES

- Available upon request

INTERESTS

- Data engineering
- Data warehousing
- Predictive analytics
- Machine learning
- Process automation

University of South Carolina, Columbia, SC— *Fiscal Analyst, Supervisor*

📅 October 2010 - January 2014

- Supervised front office staff, ensuring audit standards were maintained
- Hired and trained part-time assistants including preparation of reviews
- Updated and created patron records using the CS Gold interface
- Helped to cleanup duplicate and inaccurate student and staff records in preparation for a database migration to Banner's Oracle based CRM
- Organized efforts between teams to enact new departmental policies

Barnes & Noble, Columbia, SC

📅 December 2003 - October 2010

University of South Carolina Law Bookstore — *Store Manager*

- Managed day-to-day operations of the Law Bookstore including customer service, client relationships, staff hiring and training, and related administration responsibilities
- Ordered and researched publications for staff and students using the AS400 and publishing directories
- Reviewed and prepared budgets, increasing sales by more than 25%

Barnes & Noble (Harbison Boulevard) — *Merchandise Manager*

- Assisted customers with book information lookup
- Merchandised book displays and maintained store's appearance
- Evaluated sales histories for product orders

Barnes & Noble (Forest Drive) — *Bookseller*

University Bookstore— *Bestseller*