

# BRIAN BIGGS

[bbiggs@sei.com](mailto:bbiggs@sei.com) | [sei.com](http://sei.com)

## PROFESSIONAL BACKGROUND

Mr. Biggs has over 25 years of experience in systems analysis, design, development and implementation. He excels in data warehouse design and maintenance, ETL processing, enterprise reporting solutions, as well as relational database design, development, and administration.

Brian's exceptional organizational and communication skills enable him to perform effectively as a technical team leader or individual contributor. He has a proven track record of partnering with stakeholders, understanding critical success factors and pain points, bridging the gap to technology, and helping deliver valuable solutions to meet business objectives. Brian's collaborative, professional and personal approach resonates as he mentors team members on all levels.

## SELECTION OF RELEVANT EXPERIENCE

### Data Technologist / Enterprise Reporting for an Insurance Organization

Mr. Biggs led the implementation of various reporting solutions in ThoughtSpot for different organizations within his client. He worked with the business to understand their needs, understand their data, and understand their level of expertise with reporting solutions.

Brian modeled their data into facts and dimensions, developed extracts in the Informatica Cloud Data Management platform to load data into Snowflake (and in some instances the Falcon database internal to on-premise ThoughtSpot), and built Worksheets in ThoughtSpot to best leverage their data and reporting needs. He also helped his customers understand the reporting tool and how to best leverage the capabilities. Some users were less comfortable with self-service querying and needed a more hands-on approach, so Mr. Biggs built foundational ThoughtSpot Pinboards and Answers for them. For more technically-capable users, Brian explained ThoughtSpot principles and features leading to competent, self-sufficient analysis.

### Lead Developer / Analyst, Customer Database for Grocery Retailer

Brian led the design and development of a system to consolidate customer name and address data from separate systems. He help lead the design and construction of an enterprise view of the customer from over 400 million records of data across 23 separate divisional databases. Complex data relationships across the different databases were considered to form a single view of each customer. Updates to customer data were the propagated back to the individual divisions. The process was repeated weekly as card relationships, shopping behavior and customer data was updated frequently in all divisions.

Mr. Biggs helped consolidate processes and implement shared code to reduce maintenance overhead for the entire team. He helped analyze and streamline several functions to reduce time required for various maintenance activities. He tuned numerous SQL queries resulting in significant performance improvements in daily processing tasks. Mr. Biggs also coordinated efforts to improve performance in a vendor supplied application. He tracked down performance issues in the database, identified code causing problems, and worked with the vendor to implement more efficient data access solutions.

### Industry Experience

- Insurance
- Retail
- Marketing
- Financial Services
- Sales
- Manufacturing

### Functional Expertise

- Property and Casualty Insurance
- Grocery Retail
- Grocery Marketing
- Eye Care
- Credit Card Services
- Sales Goals Systems
- Manufacturing Systems
- ERP



# BRIAN BIGGS

[bbiggs@sei.com](mailto:bbiggs@sei.com) | [sei.com](http://sei.com)

## SELECTION OF RELEVANT EXPERIENCE

### Lead Developer / Analyst, Customer Database for Grocery Retailer ... continued

Brian served as a SME and analyst on a major initiative to retire a legacy reporting system and re-implement in IBM Netezza (Pure Data Analytics) platform using a metadata-driven ETL application, Aginity AMP.

Brian led the technical team implementing advanced replication technology for a critical OLTP Oracle database.

Brian regularly interfaced with the business owners, helping them clearly identify their data needs, and partnered with them and other technical teams to implement impactful solutions.

Brian was an integral member of a SAFe team, functioning as a developer, technical team lead, and helping the team develop their Agile practice.

### Lead Developer / Analyst, Grocery Data Warehouse for a Direct Mailing Marketer

Mr. Biggs was the lead developer on a project to analyze consumer grocery shopping data. The grocery data warehouse contained over 10TB of data with more than 300 million transactional line items per week and had a customer dimension of more than 55 million households. In working with business partners, he gathered the requirements for each customer loyalty mailing campaign and designed the data warehouse to identify eligible consumers. Brian developed a solution to consolidate all campaign code into a centralized location resulting in significant savings in time and maintenance. He also re-designed the campaign analysis process to change it from being a manually-intensive process to one that was almost entirely automated. Brian was a leader in improving the performance of several key data warehouse ETL procedures by several hours by tuning SQL statements and re-architecting processes. The improvements resulted in anywhere from 30-80% reductions in load times, allowing data to be presented to the customer earlier than it ever had been previously.

### Lead Developer, Data Warehouse for an Eyewear Retailer

Mr. Biggs was the lead developer for a project to integrate daily enterprise data for a newly acquired business into a field reporting data warehouse. He worked with the business partners to gather the requirements, determined the appropriate source systems for the data, and designed the data warehouse. He developed ETL procedures in PL/SQL to load store, sales, payroll, and associate data into the Data Warehouse from the source systems. Brian also worked with the Business Objects developers to design and create universes available to end users. He functioned as a lead developer in writing additional routines to aggregate data for use in an internally-developed field reporting application. He worked on a project to load vision insurance claims data from an online claims system into a data warehouse environment involving the modification of existing ETL routines written in PL/SQL to include additional dimensions. Mr. Biggs identified and resolved several major coding errors in the ETL routines and made changes resulting in a nearly 50% improvement in performance.

### Technology Expertise

- SQL
- Snowflake
- Informatica Data Management Cloud
- ThoughtSpot
- Oracle (through 12c)
- SQL Developer
- TOAD
- Netezza
- Microsoft SQL Server
- Cognos
- Tableau
- Automic
- Tivo Workload Scheduler
- Talend
- Visio

### Methodologies

- Agile | Scrum | SAFe
- Data Modeling
- SDLC
- Business Analysis
- Reporting Analysis

### Education / Certifications

- B.S. Computer Science | University of Dayton
- Certified SAFe Practitioner | 2018

