



SUMMARY

Motivated Database Engineer with over 10 years of Microsoft Solutions Development. Recognized for assessing operational needs and developing solutions to save costs, improve revenues, and drive customer satisfaction. Resourceful and well-organized with excellent leadership and team building record.

Shannon Kane-Saenz

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SKILLS

TECHNICAL SKILLS

- Data warehousing
- SQL expert
- Data analysis
- Data extraction
- Data collection
- Data synchronization
- Data generation tools
- Automation expertise
- Software data migration
- Active Directory knowledge
- ASP and ASP.net
- Technical skills
- Quality assurance testing
- Quality control
- Research and development
- Testing and deployment Issue resolution
- Information technology
- Business process improvement

MANAGEMENT SKILLS

- Excellent problem-solving skills
- Best practices and methodologies
- Documentation and materials
- Timeline management
- Task prioritization
- Process monitoring
- Performance improvements
- Process Improvement recommendations
- Customer-oriented
- Complex problem-solver
- Best practices and standards
- Team leadership
- Training materials
- Staff training and development
- Process development
- Mentoring and training
- Peer training
- Peer relationships

PROJECT MANAGEMENT SKILLS

- Requirements analysis and design phases
- Project implementation
- Design and development
- Project documentation
- Functional requirements
- Project coordination
- Technical implementation
- Technical analysis
- Microsoft Project and Visio expert
- Project management
- Task estimation
- Software Development Lifecycle
- Requirements gathering
- Scope and project definition

EDUCATION

Master of Science: Information Technology

Purdue University 2011

3.8 GPA

Bachelor of Science: Programming

Purdue University 2010

Cum Laude – Honors Graduate

Associate of Science: Computer Science and Programming

Purdue University 2007

Summa cum Laude – Honors Graduate

EXPERIENCE

Senior Database Engineer

Independent Contractor | May 2013 to Current | Remote - USA

Clients:

- Niche Fashion Technology – Peter Pakarinen
- Improvizations - Bryan deSilva
- Fast HRMS – Sam Powers
- Tulare Youth Service Bureau - Deborah Sparks
- Pinnacle Partners - Mary Malone
- OTC Find - Alex Jeria
- Streamliner, Jacob Nowicki
- Mattox, Terrel and Associates - Clint Terrel
- Afore – Ryan LaValva
- Bouck Management – Justin Bouck

Primary Technologies:

- SQL Development
- T-SQL
- Stored Procedures
- SSIS, SSAS, SSMS
- Visual Studio .Net, ASP.Net
- VB, VBA
- OLAP Design / Development
- Database Design / Development
- Microsoft Access (Dev & Upsizing)

Primary Administrative Experience:

- Project Management
- Technical Training

Senior DG Implementation Mgr. / Database Engineer

Optimum Healthcare IT | May 2016 to Current | Remote - USA

I have two roles at Optimum, a Senior Database Engineer and a Senior Data Governance Implementation Manager.

- As a database engineer I meet with clients to determine their data needs. Then I design and develop automated solutions to meet those data delivery needs, fully document the solution, train their technical employees to manage the solution and train their business users to leverage the solution. My work is reusable, re-entrant, portable, self-evaluating and repairing when possible, fully annotated, and coded for performance from the start. I use an iterative development life cycle that includes a robust business requirements document with complete definition of success, technical document, unit testing, user acceptance testing, deployment scripts and training
- As a data governance implementation manager, I guide clients through the process of changing the way business and technical departments interact to unite around data governance. This is no easy task, it requires collaboration between executive staff, IT, and business staff from across all levels of the organization. It is an organization wide shift in culture that requires a complete understanding of how they currently operate, ascertaining their data governance maturity level, processing engineering, people management, training and even development in some cases

Senior Database Engineer

Voxent Healthcare Technologies | Aug 2013 to Dec 2016 | Remote – USA

I designed and developed the Productivity tracking and reporting solutions. This solution consumed healthcare encounter data from NextGen for over 50 affiliates. NextGen lacks data governance in many fields that one would naturally expect to see control such as date and age fields. Instead of having a date or integer data type these fields are text. Which means we would see data such as "I don't know" instead of a date or age. This made this project quite challenging.

In a perfect world the affiliates would manage this issue at the point of entry. But the decision was made to not place the burden on our affiliates. So, I was charged with creating complex algorithms to handle these exceptions using agreed upon business rules. The result provided statistical results for all encounters and encounter types by facility and provider. Affiliates had been calculating these results manually for over 20 years. Now these reports are available to affiliates through an automated solution daily.

Primary Technologies:

- SQL Development
- T-SQL
- Stored Procedures

Primary Administrative Experience:

- Project Management
- Tech Lead
- Sustain Lead

- SSIS, SSAS, SSMS
- Visual Studio .Net
- ASP.Net
- Project Technical Scheduling
- Technical Specification Authoring

Manager Process Engineering and Technical Training

JustEnough | May 2015 to Jan 2016 | Remote - USA

My role with JustEnough had many related sides.

- The first was process engineering, where I analyzed and documented how our professional services consultants handled projects. From this analysis I made recommendations on how to optimize their roles and tasks. Once we landed on the most efficient methods for each role I created complete job descriptions and training.
- The second side of my role was development. I created base line SQL code for common custom features so that our technical consultants could check out the code when needed instead of reinventing the wheel each time.
- Training was the final side of my role. I designed, coordinated and implemented all new hire training. I managed one team member who helped with documentation and project management streamlining. Together we developed training and task materials such as manuals, templates, videos and quick start guides.

Primary Technologies:

- SQL Development
- T-SQL
- Stored Procedures
- SSIS
- JustEnough Software Configuration

Primary Administrative Experience:

- Team Management
- Process Engineering
- Project Management
- Technical Training

Senior Programmer Analyst

Francis Ford Coppola Presents | Oct 2011 to Aug 2013 | Remote – USA

I designed and developed a web-based Sales Pricing Tool using ASP.net and SQL. During this effort I handled all project management, requirements gathering, specification writing, development, and testing. Project Management best practices were a new concept for the company so during this time I also socialized and trained employees on why Project Management is so important.

Primary Technologies:

- SQL Development
- T-SQL
- Stored Procedures
- SSIS, SSAS, SSMS
- Visual Studio .Net
- ASP.Net

Primary Administrative Experience:

- Project Management
- Tech Lead
- Sustain Lead
- Project Technical Scheduling
- Technical Specification Authoring

Senior Programmer Analyst

Nestle | Jul 2008 to Oct 2011 | Remote - USA

I worked at Nestle's - Dreyer's Grand Ice Cream Headquarters in the Business Intelligence Department of IS/IT. I designed and developed Nestlé's first ever Activity Based Costing for Distribution application. The development of this application was the first cross team effort between our parent company, Nestle, and Dreyer's Grand Ice Cream. During this effort I was promoted to Senior Programmer Analyst and given a team to lead. As their Technical Lead I handled all technical project management, scheduling, estimates and technical specification authoring. I trained my team and then rolled up my sleeves and aided in the development. We had a very tight deadline but together we were able to meet the challenge successfully.

Primary Technologies:

- SQL Development
- T-SQL
- Stored Procedures
- DTS, SSIS, SSAS, SSMS
- BCP (Bulk Copy Process)
- Data Loading / Automation
- OLAP Processing

Primary Administrative Experience:

- Project Management
- Scripting
- Tech Lead
- Sustain Lead
- Remote Workforce Management
- Project Technical Scheduling
- Technical Specification Authoring

- SAP BPC / OutlookSoft Development
- SAP PCM / Metify Development
- MS Access Development
- Excel
- VBA
- VB.net

Remote / Team Technologies:

- VPN
- VoIP
- Live Meeting / Office Communicator
- Remote Desktop
- DameWare

Senior OutlookSoft Developer

Nestle | Nov 2007 to Jul 2008 | Oakland, Ca.

I worked at Nestle's - Dreyer's Grand Ice Cream Corporate Headquarters in the Strategy and Planning Department. I designed and developed a drill-able profit and loss reporting tool using OutlookSoft and SQL. I automated the monthly processing so that it could be managed exclusively by the business with limited dependency on IS/IT. For my efforts I was promoted to Programmer Analyst with the Business Intelligence Department of IS/IT.

Primary Technologies:

- SQL Development
- T-SQL
- Stored Procedures
- DTS
- OutlookSoft Development
- MS Access Development
- Excel
- VBA
- Managing Dimensions Primary

Administrative Experience:

- Technical Specification Authoring
- Managing Dimensions
- AppSet Architecture and Creation

HONORS

- Dreyer's Grand Ice Cream, Inc. – Hall of Fame Award
- Dreyer's Grand Ice cream, Inc. – Change Master Award
- Nestle Grand Ice Cream, Inc. – Partners in Excellence Award
- Purdue Honor Roll
- Epsilon Delta Pi – National Honor Society of Computer Sciences
- Alpha Beta Kappa – National Academic Honor Society
- Iota Sigma Tau – National Honor Society of Information Technology

ACCOMPLISHMENTS

Original Solutions:

- Supplier Quality Rating System
- Micro/Environmental Database
- Formula Batch Index
- Production Scheduling Tool
- Off-grade Tracking Tool
- FMLA Tracking and Reporting
- Production Forms Database
- Statistical Process Control Collection and Reporting
- Activity Based Costing for Distribution (ABCD)
- Drill-able Profit and Loss Reporting Tool
- Sales Pricing Tool
- Productivity Tracking and Reporting Tool
- Several Healthcare Data Warehouses and Certified Data Repositories
- Numerous Automated Data Integration Solutions

MEMBERSHIPS

- ACM (Association for Computing Machinery)
- PASS (Professional Association for SQL Server)
- AHIMA (American Health Information Management Association)
- PMI (Project Management Institute)
- DAMA (Data Management Association)

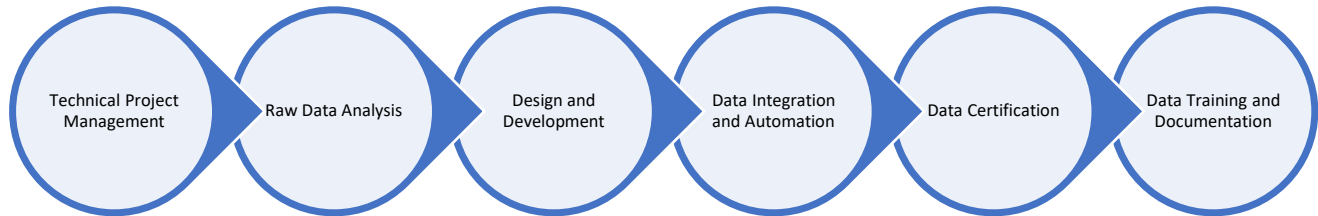
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PORTFOLIO



EPIC – Decision Support Kaufman Hall Data Automation

Created a scalable data automation solution that pulls data from EPIC’s Clarity and Caboodle databases for targeted hospital billing (HB) and professional billing (HB) data. The solution provides several business-driven options for both daily and custom extracts. Users can choose the start and end date for the extract and the source of the range, Service Date, Post Date, or Last Updated Date. Users can also turn on or off any one of the custom 30 extracts. There is also the option to have the extracts export to one text file for each or 10 load balanced files for each. Finally, the solution uses SFTP to send to Kaufman Hall for loading into their database. Kaufman Hall is a web-excel style ad-hoc reporting tool. Over the past two years we have added many additional data subjects and provided more control of the data at the business user level.

Technology: Developed in Microsoft SQL Server using SSIS and Stored Procedures.

Users: 12

NextGen - Centralized Data Warehouse and Data Automation

I worked on a team of two people, myself and an architect, to develop a custom data warehouse for over 50 Planned Parenthood affiliates. Based on the architect’s design, I developed tables, queries, SSIS packages, stored procedures, and functions to support the intake of data files, normalized the data, conformed the data, and then populated our star schema data warehouse. I was also tasked with extensive raw data analysis and worked with business representatives to determine the appropriate business rules for handling data issues. When needed I built self-evaluation, self-healing, QA checks, logging and alerts into the solution.

Technology: Developed in Microsoft SQL Server using SSIS and Stored Procedures.

Users: 200

Confidential – Data Automation and Integration

I signed a confidentiality agreement for this solution. I can share the solution design and technology, but I am not allowed to share the content or the organization. For this solution I created a scalable data automation solution that pulls data from multiple sources. These sources were a mix of FTP files (text, csv, and XML), direct connection to cloud services (AWS, Azure, and Google), and the use of API data transfers. Extensive raw data analysis was required to create a stable and predictable integration process that was self-evaluating and self-healing. Data was then normalized, conformed and pulled into a custom data warehouse. Additional data marts, certified data report repositories, and OLAP

solutions were developed. Logging and alerts were also built into the solution. I worked with business report writing teams to train them on how to find and use data from the certified data report repositories and OLAP cubes. I also trained their IT department to support the solution going forward. I built maintenance features into the solution to help make the transition even easier. I also provided comprehensive user and technical documentation.

Technology: Developed in Microsoft SQL Server using SSIS and Stored Procedures.

Users: 12

Supplier Quality Rating System

Solution provided user interface and automation for Nestle Ice Cream manufacturing plant raw material receiving department to look up and enter quality criteria for raw materials. Specifications for each raw material could be reviewed using this system and staff could enter quality inspection and testing results for each raw material received. A rating for each supplier was calculated based on these results. Suppliers are notified of their rating status and any off grade traced back to the raw material they sent. They were charged the cost of the off grade.

Technology: Beta Version Developed in Microsoft Access
Final Version Developed in Visual Studio .net with Microsoft SQL Server using SSIS, Stored Procedures.

Users: 144 users across 6 manufacturing plants and corporate

Recognition: Hall of Fame Award

Quality Systems Management

This solution provided work flow-based guidance and data entry for the entire Haagen-Dazs manufacturing plant.

➤ Modules

- Formula Batch Index and Specifications
- Production Scheduling
- Production Workflow and Specifications
- QA/QC SPC Collection and Reporting
- Micro/Environmental Management and Reporting
- Off-Grade Tracking and Reporting
- Labor Tracking and Reporting
- Safety and Employee Training Tracking and Reporting

Technology: Beta Version Developed in Microsoft Access
Final Version Developed in Visual Studio .net with Microsoft SQL Server using SSIS, Stored Procedures.

Users: 220

Recognition: Change Master Award

FMLA Tracking and Reporting

Provided HR the ability to leverage People Soft data and track California FMLA criteria, generate standardized letters when needed, and generate reports.

Technology: Beta Version Developed in Microsoft Access
Final Version Developed in Visual Studio .net with a Microsoft SQL back end using SSIS, stored procedures and functions.

Users: 5

Activity Based Costing for Distribution (ABCD)

For this project I was the technical lead charged with the technical management of a team of 6 contractors, while also being the lead developer. Together, we received data from various third-party sources, SAP, and Oracle financials. This data was then combined, normalized, calculated and aggregated for use in a star schema data repository and then processed into an analysis services OLAP cube. We had only 6 months to complete this project, which was incredibly difficult. Together we managed to complete the solution in time without any delays.

Technology: Developed in Microsoft SQL Server using SSIS, SSAS, Stored Procedures. Calculations Performed in SAP Metify and the final cube was leveraged by SAP BPC for reporting and analysis.

Users: 500

Drill-able Profit and Loss Reporting Tool

Using data provided by Oracle Financials and some third-party sources data was combined, normalized, calculated and aggregated for use in a star schema data repository and then processed into an analysis services OLAP cube.

Technology: Developed in Microsoft SQL Server using SSIS, SSAS, Stored Procedures. The final cube was leveraged by SAP BPC for reporting and analysis.

Users: 25

Sales Pricing Tool

Received data from various third-party sources, B-Loyal, and Great Plains. Combined the data, normalized, calculated and aggregated for use in a star schema data repository and then processed into an analysis services OLAP cube. The data was also in a custom web-based user interface, that I also designed and developed, to allow sales people based all over the world to create sales pricing scenarios. Once they landed on a scenario they were happy with they submitted it using this solution to corporate sales for approval. The workflow then sent the approved sales pricing to strategy and planning for budgeting.

Technology: Developed in Visual Studio .net with Microsoft SQL Server using SSIS, Stored Procedures.

Users: 50

Productivity Tracking and Reporting Tool

Using data from a centralized data warehouse and text files submitted from 50 affiliates across the United States I combined the data, normalized, calculated and aggregated for use in a data repository. Using

Tableau, reports were generated to provided government submissions of productivity data. The files were submitted through an asp.net web-based user interface that provided real-time feedback on the data being submitted. Any violations to required business rules were instantly reported to the user and the file rejected.

Technology: Developed in Microsoft Visual Studio .net and SQL Server using SSIS, Stored Procedures.

Users: 100

Youth Service Bureau Clinician Management

A full office workflow management tool that included reception scripts and scheduling, clinician appointment management and notes, billing, statistic calculations and government reporting.

Technology: Developed in Microsoft Access with a Microsoft SQL back end using SSIS, stored procedures and functions.

Users: 25

Chalk Talks Demo

Working with a start-up company we established business requirements and I designed and developed a fully functional demo for converting educational seminars recorded as sound or video into searchable text. The solution was then circulated to collect investors and ultimately redeveloped into an enterprise web-based platform.

Technology: Beta Version Developed in Microsoft Access

Users: 5

Several Healthcare Data Warehouses and Certified Data Repositories

- Nestle / Dreyer's Grand Ice Cream
- Voxent / Planned Parenthood
- Francis Ford Coppola Presents
- UC Davis
- UMC Las Vegas
- Improvisations
- Fast HRMS
- Tulare Youth Service Bureau
- OTC Find
- Streamliner

Numerous Automated Data Integration Solutions

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