

Juan Waters

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SUMMARY

Business Intelligence Developer and **Business Systems Analyst** with eight years of hands-on experience building, supporting, and improving data solutions for infrastructure, construction, municipal services, and operations teams. Translates stakeholder needs into clear requirements, practical data models, tested applications, tuned databases, and reporting systems that people can trust during busy workdays. Works across SQL Server, Access, Oracle, Hyperion, Primavera, WinEst, SSRS, SSAS, SSIS, **Crystal Reports**, **Visual Studio**, .NET, **ADO.NET**, ODBC, VB.Net, VBA, and LINQ. Has coordinated controlled releases, resolved production issues, administered access, and prepared job aids for technical and nontechnical users. Collaborative delivery with Northstar Data Partners would bring steady analysis, thoughtful troubleshooting, and useful reporting solutions that help teams make sound decisions.

EXPERIENCE

BI Developer

January 2024 - Present

CanyonWorks Infrastructure Services

Downers Grove, IL

Owns reporting platforms and business applications supporting project controls, estimating, scheduling, and operations across 11 offices. Leads requirements, data modeling, database tuning, release coordination, access administration, production support, and user documentation.

- Mapped stakeholder needs into SSIS workflows and **SSRS** reports for cost, schedule, and resource decisions.
- Tuned SQL Server indexes and **ODBC** connections, restoring dependable morning reporting cycles for project teams.
- Coordinated Visual Studio releases through **Team Foundation Server** reviews, test scripts, and controlled deployment.
- Administered **Windows Server** access across SQL Server, Access, **Primavera**, and WinEst systems for new users.
- Published **job aids** and technical notes that gave nontechnical users repeatable reporting support procedures.

Business Intelligence Developer

June 2021 - December 2023

BluePeak Construction Analytics

Schaumburg, IL

Developed reporting utilities and integrations for estimating, scheduling, and operational data across SQL Server, Oracle, Access, and Hyperion. Partnered with business users on process analysis, testing, release planning, production support, and reference materials.

- Built **VB.Net** and VBA utilities that consolidated estimating data from SQL Server, Oracle, Access, and **Hyperion**.
- Created **SSIS** packages with ADO.NET validation, reducing manual reconciliation between Primavera and WinEst records.
- Designed SSRS and Crystal Reports views that clarified margin, variance, utilization, and backlog decisions.
- Traced **HTML** forms, ODBC connections, and query logic to correct production reporting defects before release.
- Documented test cases and deployment checklists for reporting applications across **Windows Desktop** and **Windows Server**.

Business Systems Analyst

July 2019 - May 2021

Lakeshore Municipal Services

Evanston, IL

Analyzed service, asset, and budget reporting needs for municipal departments, converting interviews into specifications, mappings, acceptance criteria, and support materials. Supported database quality, application testing, user provisioning, report development, and process improvement.

- Translated department interviews into source mappings and acceptance criteria for service and budget reporting.
- Reviewed SQL Server and **Oracle** query plans, correcting data-quality issues with reproducible technical evidence.
- Automated MS Office reporting tasks with **VBA** and **VB.Net**, replacing spreadsheet assembly with controlled extracts.
- Tested legacy application changes across **Windows Desktop** and **Windows Server** before business release approval.
- Refined SSRS and **Crystal Reports** layouts, helping supervisors spot exceptions and drill-through details sooner.

Reporting Analyst

July 2018 - June 2019

Prairie State Engineering Group

Oak Park, IL

Prepared recurring project and operations reporting from SQL Server, Access, Excel, Primavera, and **WinEst** sources. Supported requirements, reconciliation, report testing, defect logging, documentation, and refresh governance for project managers and supervisors.

- Reconciled SQL Server and Access report totals with finance records before recurring distribution.
- Organized project data with SQL, VBA, ODBC, and **MS Office Suite** for supervisor review.
- Built **Crystal Reports** and SSRS outputs with approved filters, formulas, formatting, and documentation.
- Assembled sample data for user acceptance testing, logging defects against expected and actual results.
- Maintained report inventories, source tables, owners, and refresh schedules for analytics team continuity.

PROJECTS

Integrated Project Controls Reporting 📅 2024

Connected Primavera schedules, WinEst estimates, SQL Server data, and SSRS outputs into a shared reporting model. Clearer views helped project teams discuss cost and schedule questions with less back-and-forth.

Municipal Service Data Automation 📅 2021

Reworked recurring service and budget reporting with VBA, VB.Net, controlled extracts, and documented checks. Department staff received consistent outputs without rebuilding spreadsheets each cycle.

LEADERSHIP & AWARDS

- Dean's List, University of Illinois Springfield, 2016-2018
- Information Systems Capstone Excellence Award, 2018
- Project mentor for Data Analytics Club, supporting student reporting and analysis work, 2017-2018

EDUCATION

Bachelor of Science in Information Systems 2018
University of Illinois Springfield GPA: 3.8 Springfield, IL
Coursework: Database Management, Systems Analysis, Business Intelligence, Information Systems Design

CERTIFICATIONS

- Microsoft Certified: Azure Data Fundamentals 📅 2022
- Microsoft Certified: Power BI Data Analyst Associate 📅 2023

TECHNICAL SKILLS

- **Operating Systems:** Windows Desktop, Windows Server, Windows administration
- **Development Platforms:** Visual Studio, Team Foundation Server, .NET
- **Web and Data Access:** HTML, ADO.NET, ODBC
- **Database Systems:** MS SQL Server, MS Access, Oracle
- **Enterprise Applications:** Hyperion, Primavera, WinEst
- **Reporting Platforms:** Crystal Reports, SSRS, SSAS
- **Data Integration:** SSIS, ADO.NET, ODBC
- **Programming Languages:** VB.Net, VBA, LINQ
- **Data Analysis:** SQL, query plans, database performance tuning
- **Business Applications:** MS Office Suite, Excel, Access
- **Systems Delivery:** Requirements analysis, user acceptance testing, release management
- **Documentation:** Job aids, user reference guides, technical specifications

SKILLS

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|-----------------------------|-------------------|-------------|-------------------|
| • Business intelligence | • Database tuning | • Oracle | • Crystal Reports |
| • Business systems analysis | • Data modeling | • Hyperion | • SSRS |
| • Stakeholder requirements | • SQL Server | • Primavera | • SSIS |
| • Process analysis | • MS Access | • WinEst | |

PROFESSIONAL AFFILIATIONS

- Data Analytics Club, Project Mentor, University of Illinois Springfield, 2017-2018
- Information Systems Student Association, Events Coordinator, 2016-2017

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST