

State of Washington
Office of Superintendent of Public Instruction

Generate Maintenance and Operations Support

Request for Proposals No. 2025-24

Vendor: MSF&W Consulting
Vendor Contact: Brent Engelman
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LETTER OF SUBMITTAL

Office of Superintendent of Public Instruction

April 4, 2025

State of Washington

Kyla Moore

600 Washington Street South; PO Box 47200

Olympia, WA 98504-7200

RE: Generate Maintenance and Operations Support; Request for Proposals No. 2025-24

MSF&W Consulting is pleased to submit our response to the State of Washington's Office of Superintendent of Public Instruction (OSPI) **Generate Maintenance and Operations Support** Request for Proposal. Please consider this letter and the subsequent pages to be our offer to perform in full compliance with your request.

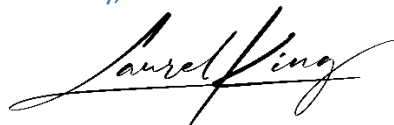
MSF&W proposes **Jeff Wheaton** as the key resource and consultant to support OSPI's successful use and implementation of Generate. With over three years as a core member of the **Generate Development Team**, Jeff has demonstrated deep expertise in enhancing data quality, optimizing ETL processes, and streamlining data migration across **11 state education agencies**. Jeff has played a crucial role in troubleshooting and resolving issues within Generate, identifying **data anomalies, ETL errors, and system inefficiencies** to ensure accurate and reliable **EDFacts reporting**. He has refined and developed Generate ETLs, improving data processing performance while aligning migration workflows with evolving data standards. His contributions also include designing and implementing essential utilities such as:

- **Staging Validation Process** – Identifies data anomalies that could impact reporting accuracy.
- **File Comparison Utility** – Enables states to compare Generate-created EDFacts data with state-generated data for improved quality assurance.
- **Staging Snapshot Tool** – Enhances efficiency by allowing states to recall previously staged data for consistent reporting.

With a deep understanding of **Generate's database architecture and reporting framework**, Jeff has helped states maximize the platform's capabilities, improve data integration, and maintain compliance with federal reporting requirements. His expertise uniquely positions him to support OSPI in achieving its goals of **improving data processing efficiency and meeting federal reporting obligations**.

MSF&W Consulting agrees that our proposal will remain firm for **90 days from the opening date of April 4, 2025**. We are confident that our proposal **meets and exceeds** all mandatory requirements, and we look forward to the opportunity to continue serving OSPI. Thank you for your time and consideration.

Sincerely,



Laurel A. King, President

MSF&W Consulting

lking@msfw.com, (217) 698-3535, ext. 209

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CERTIFICATIONS AND ASSURANCES

Bidder makes the following certifications and assurances as a required element of the proposal to which it is attached, understanding that the truthfulness of the facts affirmed here and the continuing compliance with these requirements are conditions precedent to the award or continuation of the related contract(s):

1. Bidder declares that all answers and statements made in the proposal are true and correct.
2. The prices and/or cost data have been determined independently, without consultation, communication, or agreement with others for the purpose of restricting competition. However, Bidder may freely join with other persons or organizations for the purpose of presenting a single proposal.
3. The attached proposal is a firm offer for a period of ninety (90) business days following receipt, and it may be accepted by OSPI without further negotiation (except where obviously required by lack of certainty in key terms) at any time within the ninety (90) business-day period.
4. In preparing this proposal, Bidder has not been assisted by any current or former employee of the state of Washington whose duties relate (or did relate) to this proposal or prospective contract, and who was assisting in other than his or her official, public capacity. (Any exceptions to these assurances are described in full detail on a separate page and attached to this document.)
5. Bidder understands that OSPI will not reimburse Bidder for any costs incurred in the preparation of this proposal. All proposals become the property of OSPI, and Bidder claims no proprietary right to the ideas, writings, items, or samples, unless so stated in this proposal.
6. Unless otherwise required by law, the prices and/or cost data which have been submitted have not been knowingly disclosed by the Bidder and will not knowingly be disclosed by Bidder prior to opening, directly or indirectly, to any other Bidder or to any competitor.
7. Bidder agrees that submission of the attached proposal constitutes acceptance of the solicitation contents and the attached sample contract and general terms and conditions. If there are any exceptions to these terms, Bidder has described those exceptions in detail on the Contract Issues Exhibit.
8. No attempt has been made or will be made by the Bidder to induce any other person or firm to submit or not to submit a proposal for the purpose of restricting competition.
9. Bidder grants OSPI the right to contact references and others, who may have pertinent information regarding the Bidder's prior experience and ability to perform the services contemplated in this procurement.

10. Bidder acknowledges that if awarded a contract with OSPI, Bidder is required to comply with all applicable state and federal civil rights and other laws. Failure to comply may result in Contract termination. Bidder agrees to submit additional information about its nondiscrimination policies, at any time, if requested by OSPI.
11. Bidder certifies that Bidder has not, within the three-year period immediately preceding the date of release of this competitive solicitation, been determined by a final and binding citation and notice of assessment issued by the Department of Labor and Industries or through a civil judgment to have willfully violated state minimum wage laws (RCW 49.38.082; Chapters 49.46 RCW, 49.48 RCW, or 49.52 RCW).
12. Bidder has not been debarred or otherwise restricted from participating in any public contracts.
13. Bidder certifies that Bidder has not willfully violated Washington State's wage payment laws within the last three years.
14. Bidder acknowledges its obligation to notify OSPI of any changes in the certifications and assurances above.

<u><i>Brent Engelman</i></u>	<u>04/04/2025</u>	<u>Springfield, IL</u>
Signature of Bidder	Date	Place Signed (City, State)
<u>Brent Engelman</u>	<u>Chief Operating Officer</u>	<u>MSF&W Consulting</u>
Print Name	Title	Organization Name

C.5. REFERENCES

Client:	Illinois Office of Medicaid Innovation
Contact:	Carl Conner, Associate Director of IT Security & Compliance
Address	3135 Old Jacksonville Road, Springfield, IL 62704
Phone:	217-333-9290
Email:	conner20@uillinois.edu
Services:	From 2023 to the present, Jeff Wheaton has provided data analysis, architecture, and technology transformation advisory services to the Illinois Office of Medicaid Innovation (OMI). This has included a detailed analysis of the current state of OMI's SQL database environment, development of process flow diagrams documenting OMI's use cases, and a collaborative roadmap designed to drive IT modernization within OMI while providing enhanced access to Medicaid stakeholders across Illinois. As part of this initiative, Jeff developed key recommendations to guide OMI in implementing a scalable, functional, and HIPPA compliant data lake solution. This approach has facilitated secure data sharing between OMI, HFS, and various healthcare research business units within the University of Illinois System. This data lake will serve as an extensible and customizable platform ensuring that OMI can support diverse data types and use cases, positioning the agency to accommodate new research initiatives and reporting requirements into the future. Jeff's recommendations for OMI have included the implementation of modular design principles allowing for incremental enhancement, rather than a complete overhaul. Through thoughtful data architecture, Jeff's focus on data interoperability has empowered OMI to seamlessly integrate with an evolving range of analytics tools like PowerBI and Tableau, while also future proofing their environment to support future data sharing opportunities with OMI partners.

Client:	Illinois Office of the State Fire Marshal
Contact:	Jodi Schrage, Human Resources and Special Projects Manager
Address	1035 Stevenson Drive, Springfield, IL 62703
Phone:	217-558-1750
Email:	Jodi.Schrage@Illinois.gov
Services:	Jeff Wheaton serves as the Senior Project Manager at the Office of the State Fire Marshal (OSFM), leading the planned integration of a computer-based testing system (Pearson VUE) with a state-of-the-art training system (Vector Solutions). In this role, Jeff is working to develop a comprehensive project plan outlining scope, timelines, deliverables, and resource allocation, ensuring that the project aligns with organizational goals and compliance requirements. Jeff has led stakeholder meetings to gather and prioritize requirements, effectively acting as the liaison between technical teams, business units, and external partners. His in-depth analysis of the interoperability between Pearson VUE and Vector Solutions has been instrumental in documenting business rules within the framework of applicable state and federal laws. This effort will culminate in a detailed and comprehensive requirements document that meets OSFM's objectives while balancing technical precision and stakeholder expectations. Jeff's strong project management skills, coupled with his technical expertise and familiarity with the agency, have been critical in formulating a strategy that supports OSFM's mission to streamline training tracking for Illinois firefighters through the innovative Vector Solutions tool, while continuing to leverage Pearson VUE for certification and licensure examinations.

Client:	Illinois State Board of Education
Contact:	Madan Damodaran, Director of Software Solutions
Address	100 North First Street, Springfield IL 62777
Phone:	217-558-3662
Email:	Mdamodar@isbe.net
Services:	Jeff Wheaton provided key services to the Illinois State Board of Education (ISBE) by leading the development of the ISBE Data Warehouse Strategic Plan, designed to address the agency's growing reliance on data and processes managed within the Data Warehouse. He directed a team of five SQL developers in the management of all data warehouse processing activities. Jeff also oversaw the processes of ingesting and sharing data from external sources, such as the Illinois Department of Human Services (IDHS) and the Illinois Department of Children and Family Services (DCFS), working closely with these agencies to refine data transfer practices and create unified data sets. In collaboration with DHS and DCFS, Jeff helped facilitate the sharing of data into the Illinois Longitudinal Data System (ILDS 2.0), a planned statewide repository for centralized research and reporting. He organized data to support applications like Ed360 and Power BI reporting while introducing standards and best practices for data governance, automation, activity logging, and compliance. Additionally, Jeff developed a comprehensive data warehouse data dictionary, incorporating both technical and metadata authored by agency subject matter experts. Throughout the project, he maintained clear communication with stakeholders and program staff, acting as the primary liaison between the Data Warehouse team and the broader ISBE program staff.

C.1. COST COMPONENT

MSF&W Consulting is a woman-owned, information technology (IT) consulting firm founded in Springfield, Illinois, in 1991. Over the past 3 decades, MSF&W has carefully assembled a team of dedicated, professional staff to meticulously deliver innovative and modern software and data management solutions to its clients. MSF&W has grown steadily and now has over 160 consultants who offer a wide range of expertise and services. Their services span the entire IT lifecycle, from strategy and modernization to project management, enterprise data management, business analysis, development, implementation, usability and accessibility, agile coaching, business intelligence and data analytics.

MSF&W specializes in data management and modernization. For over 30 years, our firm has assisted large public and private sector organizations with the development of innovative data management solutions to facilitate critical data reporting and ensure compliance. Our team is expertly skilled at establishing data governance policies and procedures, building secure data transfer methods, and configuring a robust reporting environment.

MSF&W consultant, Jeff Wheaton, is a highly experienced IT professional with over 25 years in architecting Microsoft data and application solutions and re-engineering business processes, holding a degree in Electronics Engineering Technology from DeVry Institute of Technology and PMP certification. His comprehensive skillset spans the full lifecycle of data initiatives, from business requirements gathering and strategic planning to the design, development, and implementation of robust data warehouse solutions, as evidenced by his significant role as Data Architect/Project Manager for the Illinois State Board of Education (ISBE) Data Warehouse. At ISBE, he authored the strategic plan, led a team of SQL developers managing nightly ETL processes from critical systems like SIS and ELIS, and ensured data sharing with external agencies. Furthermore, his contributions to ISBE's Early Childhood System involved technical leadership in data collection, ETL, visualizations, and key calculations for Evidence-Based Funding and the Illinois Report Card, alongside his work leading the development of the I3 Data Repository & Analytics System for the Illinois Math & Science Academy. Jeff's technical foundation, coupled with his expertise in stakeholder management, team leadership, and communication, enables him to effectively align IT assets with business goals and implement essential data governance and compliance measures, ensuring the reliability and maturity of organizational data assets.

Contractor cost

Contractor Cost		
Company Name	Proposed Staff Title	Hourly Rate
MSF&W Consulting	Jeff Wheaton	\$140

C.1. NON-COST COMPONENTS

Services. Explain the services your company provides and how your company can assure excellent response times for customer inquiries, billing, and service resolution for issues related to this Contract

MSF&W Consulting has been delivering information technology (IT) consulting services to our public sector clients for over 34 years. We maintain a full-time staff of approximately 160 IT professionals with expertise in project management, enterprise data management, business analysis, software development, implementation, usability and accessibility, agile coaching, business intelligence, system integration, training, and end-user support.

Over the past 34 years, MSF&W has developed a refined process for delivering excellent service. To guarantee excellent response times for customer inquiries, billing, and service resolution, MSF&W has a structured Client Management Process. Every MSF&W client project is assigned a dedicated Client Engagement Manager. For the OSPI project, Brent Engelman will serve in this role, providing a single, direct point of contact for all your needs. Supporting Brent is our experienced Client Management Team, comprised of nine professionals who oversee MSF&W's project staffing, service delivery, and account management. This team is designed to be highly accessible and responsive to customer needs, ensuring personalized responses to all inquiries, from service delivery and billing to general support. MSF&W has a commitment to respond to and resolve all client issues and inquiries within 1 business day.

In Brent's absence, Gia Simmons will serve as the acting Engagement Manager, ensuring seamless continuity of support and oversight of all incoming requests.

Support. Describe the expertise and availability of key personnel that will provide executive and administrative coordination for the work and performance of this project (provide names and titles).

As part of our commitment to maximizing the value our clients derive from IT projects, MSF&W assigns a Client Engagement Manager to each of our projects to nurture the relationship to ensure satisfactory delivery of services. **For this project, Brent Engelman will serve as the Client Engagement Manager and will have the support of the entire MSF&W Client Management Team.** Brent joined MSF&W as the VP for Education Services. Brent is the former Illinois State Board of Education (ISBE) Director of Information Technology and has 28+ years' experience with IT staffing, project leadership, and vendor/client engagement. Brent spent 4 years at the Council of Chief State School Officers (CCSSO) where he led the CCSSO Chief Information Officer Network and worked closely with state education agencies from across the country. As part of this national role, Brent was responsible for helping states to develop, scope, and implement strategic technology plans and complex modernization projects.

Sam Ganci, VP of Consulting at MSF&W, leads the recruiting team with over 15 years of experience in IT staffing leadership. He holds an MBA from the University of Illinois and a graduate certificate in IT Project Management. As a key contact for multiple enterprise-scale MSF&W clients in Illinois government, Sam plays a pivotal role in managing client relationships and staffing solutions.

Gia Simmons, VP of Business Development at MSF&W, has 15+ years of experience in IT recruitment, account management, and vendor relations. She drives MSF&W's business growth by forging new partnerships, managing existing relationships, and identifying collaboration opportunities. As the primary liaison between MSF&W and its partners, she ensures effective communication and team alignment. Gia also oversees staff training to keep key personnel up to date with evolving technologies.

Nathan Zak, Director of Finance, has been an integral part of MSF&W Consulting for 18 years. He supports clients through accounting and contract management, playing a key role in the company's daily administrative operations.

Ann Dixon, MSF&W's Executive Administrator, oversees consultant timekeeping and client invoices to ensure accurate billing. She also manages consultant onboarding and HR files, ensuring all background checks and certifications are properly completed.

Bench Strength. Describe your company's bench strength to support the developer when out of the office for a long period of time or correct difficult issues

MSF&W has a 34-year history of delivering successful projects, with over 22 years of expertise in developing and maintaining state education data systems. Currently, MSF&W is engaged with 10 states on 12 active education data management and modernization projects. Our participation in national organizations dedicated to state-level data modernization ensures our team remains at the forefront of best practices and industry standards.

With a team of over 160 full-time IT consultants, including 16 specialists in data analytics and management, MSF&W has the capacity to provide seamless support, ensuring continuity during both short- and long-term consultant absences. Our deep commitment to education data projects has fostered a highly experienced team with hands-on expertise in K-12 education systems, allowing us to resolve complex issues efficiently and maintain service continuity.

When you partner with MSF&W, you gain access to an entire organization of skilled professionals, not just a single staff member. Our diverse team, with experience across hundreds of state systems, regularly collaborates in working groups at our Springfield office to share knowledge and best practices. This approach enhances our ability to provide critical insights into data structures, integration points, and the architecture of legacy systems.

Since 2003, MSF&W has successfully placed over 70 IT professionals in state education agencies, contributing to a wide range of high-priority education initiatives. Our expertise spans K-12 data warehousing, student information systems, accountability, assessments, early childhood and special education, school funding and finance, educator effectiveness, and nutrition systems.

MSF&W's education practice has expanded to support state education agencies in Illinois, Indiana, Massachusetts, Missouri, Vermont, Washington, New Hampshire, New Jersey, Colorado, and Iowa, as well as institutions like the University of Illinois Chicago, Southern Illinois University, and Northern Illinois University. With our comprehensive expertise and deep institutional knowledge, we deliver end-to-end solutions that power preK-12 education data systems, ensuring long-term success for our partners. As an education-focused organization, we are deeply invested in the success of this project and committed to delivering high-quality services while fostering a strong, positive relationship with OSPI.

Past Performance. Provide information regarding past performance by indicating if the Consultant has received notification of contract breach in the past five (5) years.

MSF&W has operated continuously and successfully for 34 years. We are proud to have served several clients for more than 20 years, reflecting our commitment to long-term partnerships and exceptional service.

Neither MSF&W Consulting nor Jeff Wheaton have received any notifications of contract breach in the past five (5) years.

EXHIBIT B

SKILLS AND EXPERIENCE MATRIX

CONSULTANT INFORMATION		
Bidder:	<u>Jeff Wheaton, MSF&W Consulting</u>	

Skills and Experience	Briefly describe your previous skills and experience that demonstrate your ability to do the work.	Employer / Contract where duties were performed including start and end dates.
At least six years of experience writing and testing SQL server queries in a complex SQL server environment.	Jeff has over 25 years of Microsoft SQL Server experience, having designed and developed custom SQL Server systems for multiple Illinois State Agencies including Department of Public Health, State Board of Education, and Illinois State Police. All systems included comprehensive ETLs to move data between systems, and included intuitive User Interfaces for data querying, visualization, and reporting. As the Data Warehouse Project Manager at the Illinois State Board of Education, Jeff contributed to the development, testing and implementation of all SQL processes within the data warehouse, providing guidance and best practices to less experienced team members. For Illinois Mathematics and Science Academy, Jeff designed and developed a data repository for collection, reporting and visualization of student data within the Academy, including student performance, attendance, recruiting, etc. (Named "I3"). This SQL Server repository ingested data from various institutional	Employer: MSF&W Consulting Contracts: Illinois State Board of Education 2016-2021 Illinois Department of Public Aid 2009-2016 Illinois Mathematics and Science Academy 2012-2020 AEM CIID Project Dec 2021 – Feb 2025

Skills and Experience	Briefly describe your previous skills and experience that demonstrate your ability to do the work.	Employer / Contract where duties were performed including start and end dates.
	departments via import of spreadsheets and formatted the data for use with Tableau reports. For the Illinois Department of Public Aid, Jeff designed and developed the IQuery system (iquery.illinois.gov) to allow data owners to contribute data to a central data warehouse for public querying and consumption. Developed complex dynamic SQL and functions to import, translate, standardize and query the data.	
At least four years of experience being independently responsible for database management of a SQL Server Database Management System.	As the Illinois State Board of Education Data Warehouse Project Manager, Jeff was responsible for all Data Warehouse functions, including daily integration of Student Information System data, Special Education data, Educator Licensure data, etc. Responsible for preparing data for the Annual State Report Card, Annual Reports, Power BI reports and financial calculations. For Illinois Department of Public Aid, as the sole architect and developer of the IQuery system, Jeff was responsible for assuring the database operated efficiently and provided accurate results to public users. For Illinois Mathematics and Science Academy, as the sole architect and developer of the I3 application, he was responsible for assuring the database operated efficiently and provided accurate results to Academy users.	Employer: MSF&W Consulting Contracts: Illinois State Board of Education 2016-2021 Illinois Department of Public Aid 2009-2016 Illinois Mathematics and Science Academy 2012-2020
At least two years of experience with project management and	Jeff has been a Project Manager for over 20 years, with PMP certification since 2010. In nearly every engagement he has served not only as a developer, but as the Project Manager, often	Employer: MSF&W Consulting Contracts: Illinois State Board of Education

Skills and Experience	Briefly describe your previous skills and experience that demonstrate your ability to do the work.	Employer / Contract where duties were performed including start and end dates.
communication skills in a data environment working with clients.	developing system and training documentation, engaging with stakeholders and delivering training sessions to users.	2016-2021 Illinois Department of Public Aid 2009-2016 Illinois Mathematics and Science Academy 2012-2020 Many other projects & clients
Ability to write SQL code from scratch for the proper staging, and population of tables.	Jeff has over 25 years of SQL Server experience, developing queries, data migrations, data validations, etc. Proficient with SQL functions, views, stored procedures, table design, performance tuning, dynamic SQL, etc.	Employer: MSF&W Consulting Contracts: Illinois State Board of Education 2016-2021 Illinois Department of Public Aid 2009-2016 Illinois Mathematics and Science Academy 2012-2020 AEM CIID Project Dec 2021 – Feb 2025
Ability to troubleshoot unexpected incidents with ETL code, data validity, and the database server.	Jeff has many years of experience troubleshooting SQL, ETL processes and validating data. He has developed techniques to quickly identify an issue, find the problem and make a correction. This usually involves writing ad hoc SQL queries and analyzing the results. He is also able to determine if the issue is systemic, a data issue, a programming issue, or a configuration issue.	Employer: MSF&W Consulting Contracts: Illinois State Board of Education 2016-2021 Illinois Department of Public Aid

Skills and Experience	Briefly describe your previous skills and experience that demonstrate your ability to do the work.	Employer / Contract where duties were performed including start and end dates.
	Through AEM's contract, Jeff was assigned to Washington OSPI in 2021. He provided troubleshooting guidance and assistance for using Generate to produce Directory, Child Count, Exiting and Discipline EdFacts files. Resolution would sometimes be a source data anomaly, sometimes an ETL error, sometimes a bug in Generate, and sometimes a misinterpretation of EdFacts business rules. Jeff developed multiple SQL scripts and techniques for quickly identifying and resolving ETL and migration issues.	2009-2016 Illinois Mathematics and Science Academy 2012-2020 AEM CIID Project Dec 2021 – Feb 2025
Ability to understand and write stored procedures that execute ETL code and move data into Generate to produce information for OSPI to use in reporting to ED Facts.	Jeff has written dozens of ETLs for multiple state agencies that use Generate to produce EdFacts data. While on contract with AEM, Jeff was assigned to Washington OSPI in 2021 and inherited several ETL stored procedures. He modified and improved those as needed to support changes in OSPI source data, changes to EdFacts file specs, and changes to Generate versions. He identified and improved data processing performance issues in the ETL code. He also identified ETL challenges in the OSPI environment where linked servers were needed to migrate data into the Generate database, and developed solutions to resolve those challenges.	Employer: MSF&W Consulting Contracts: AEM CIID Project Dec 2021 – Feb 2025
Ability to understand data warehouse concepts and implement those concepts to maintain the Generate database.	As a member of the Generate Development Team, Jeff has an intricate understanding of the entire Generate database. He knows which staging and RDS tables are used for which reports, which tables and features are deprecated (and should be removed from the database but are still available), and areas of the database design that are being evolved for future functionality. Jeff has developed and enhanced many of the Generate migration	Employer: MSF&W Consulting Contracts: AEM CIID Project Dec 2021 – Feb 2025

Skills and Experience	Briefly describe your previous skills and experience that demonstrate your ability to do the work.	Employer / Contract where duties were performed including start and end dates.
	processes and identified challenging areas within the current database design that are on the roadmap to be improved. Jeff understands that the Generate database includes a Staging area for staging data, a CEDS Data Warehouse for migration of staging data into the CEDS data model, and the Generate EdFacts reporting area. These database areas are organized into schemas, and the CEDS data warehouse tables are normalized according to the CEDS data model.	
Ability to understand and produce information for data analytics related to data stored in Generate.	As a Generate Developer team member and CIID state support team member, Jeff assisted with Generate development by designing and developing multiple utilities to assist states with data quality and processing efficiency, including a Staging Validation process, which used defined rules to identify data anomalies in the Generate Staging environment that would prevent reports from being created accurately. Also, he designed and developed a File Comparison Utility to allow states to easily compare Generate-created EdFacts data to state-created EdFacts data to identify and resolve data quality issues. Jeff designed and developed the Staging Snapshot utility to allow states to take a snapshot of staging data and recall it later. This is particularly useful in Generate to recall all organization data used in the production of the C029 Directory file and reuse it for all other EdFacts reports without having to reload organization data from the source for each report. This improves efficiency and data accuracy. At Washington OSPI, the decision was made to produce C029 EdFacts files using their legacy process rather than Generate.	Employer: MSF&W Consulting Contracts: AEM CIID Project Dec 2021 – Feb 2025

Skills and Experience	Briefly describe your previous skills and experience that demonstrate your ability to do the work.	Employer / Contract where duties were performed including start and end dates.
	Jeff developed a process to import the legacy-produced C029 Directory files into Generate and snapshot that data for availability with all other EdFacts reports to be produced in Generate. As requested, he assisted states with development of custom views and queries to review and report data from Generate.	
Knowledge and experience using Generate to create data used by state agencies.	Jeff has over three years of experience working directly with Generate to support multiple states to produce IDEA-related EdFacts reports, including Directory (C029 and C039), Child Count (C002 and C089), Exiting (C009), Discipline (C005, C006, C007, C088, C143, C144) and Assessments (C175, C178, C179, C185, C188, C189). Jeff assisted some states with non-IDEA EdFacts reports including Membership (C033, C052), Graduate (C040), Dropouts (C032), etc. These states included Washington, Colorado, Iowa, New Hampshire, Vermont, New Jersey and CNMI. Jeff wrote many new Generate ETLs for states, or upgraded/supported existing ETLs as needed, working with each state's unique environment and security practices to ensure efficient and accurate data transfers. Jeff identified and corrected multiple efficiency issues within Generate to improve data processing performance. Jeff assisted several states that were creating a CEDS Data Warehouse, providing architectural guidance, data migration assistance and data quality best practices.	Employer: MSF&W Consulting Contracts: AEM CIID Project Dec 2021 – Feb 2025

Skills and Experience	Briefly describe your previous skills and experience that demonstrate your ability to do the work.	Employer / Contract where duties were performed including start and end dates.
	Jeff also created dozens of system diagrams and documents detailing Generate migration processes, ETL overviews and Generate Utility functionality.	
Knowledge and experience with Scrum Development Lifecycle.	In 2019, Jeff completed an Agile Development course and began using Agile Development methodologies at the Illinois State Board of Education as the Data Warehouse Project Manager, which included daily team scrums. Jeff continued using Agile methodologies while working on the Generate project with AEM into 2025.	Employer: MSF&W Consulting Contracts: Illinois State Board of Education 2019-2021 AEM CIID Project Dec 2021 – Feb 2025