Jay Bennett
Senior Data Engineer

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Summary

Senior Data Engineer with 20 years building data solutions across government, healthcare, financial services, and retail. Specialized in AWS-based data pipelines, ETL/ELT optimization, cloud migrations, and modern data stack (Snowflake, Databricks, Azure). Early AI adopter (ChatGPT since Nov 2022) with proven ability to 10x productivity through AI platform orchestration.

Currently Available for Minneapolis-based onsite/hybrid roles.

Core Competencies

Cloud Platforms: AWS (EC2, RDS, S3, Lambda) • Microsoft Azure (Databricks, Data Factory) • GCP

Data Platforms: Snowflake (SnowPro Certified) • Databricks • Spark • Medallion Architecture

ETL/ELT: SSIS • Python • Apache NiFi • Custom Pipeline Development

Programming: SQL (T-SQL, PL/SQL, Spark SQL) • Python • VB.NET • C#

BI Tools: Power BI (PL-300 Certified) • Tableau • SSRS

AI Tools: ChatGPT (first-week adopter) • Claude • GitHub Copilot • Lovable Platform

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Professional Experience

xBrezzo, LLC | Independent Consultant
August 2025 - December 2025

- Built family law case management system using AI platform orchestration (Lovable, Supabase)
- Architected secure document management solution with intelligent questionnaire system
- Implemented AI-powered document processing pipeline with automated categorization
- Established secure data transmission and role-based access controls for sensitive documents

Tech: Lovable, Supabase, Claude Code, GitHub Copilot

Deloitte | Senior Consultant - Data Engineering
June 2023 - May 2025

Tennessee CCWIS - Snowflake Developer (5 months)
- Built Python automation leveraging generative AI â†' **70% reduction in manual effort**
- Developed scalable Snowflake data models and ETL pipelines for state government CCWIS migration
- Created metadata-driven rules for automated schema updates
- Collaborated with 15+ analysts and Salesforce developers

FedEx DataWorks - Data Engineer (4 months)
- Managed Oracle to Databricks migration with zero downtime
- Implemented Medallion architecture using Spark SQL and Python
- Ensured data integrity through comprehensive validation frameworks

Oregon Health Authority - SQL Developer (4 months)
- Designed on-premises Data Marts for state health programs
- Created Power BI dashboards for government executive reporting
- Managed end-to-end data integration using SSIS

Tech: Snowflake, Databricks, AWS, Python, Spark SQL, Power BI, SSIS

Augeo | SQL Developer
March 2022 - July 2023

- Led migration from on-premises SQL Server to AWS RDS/EC2 (zero data loss)
- Developed and optimized ETL pipelines within SSIS
- Performed data validation procedures for participant and performance data
- Researched proof of concepts for infrastructure improvements

Tech: SQL Server, SSIS, AWS RDS/EC2

1upHealth, Inc. | Data Engineer
April 2021 - July 2021

- Assisted FHIR resource onboarding for healthcare compliance deadline
- Set up AWS EC2 instances and PostgreSQL databases
- Configured Apache NiFi DataFlows for FHIR-compliant healthcare data conversion

Tech: AWS, Terraform, PostgreSQL, Docker, Apache NiFi

Earlier Experience (2006-2020)

USCG LLC - Cloud Engineer (2020-2021)
Cloud deployment pipelines for Python Flask applications

Wells Fargo - SQL Server Developer / Application Engineer (2016-2017, 2020)
ETL processes, data warehouse solutions, PowerShell automation

U.S. Bank - Multiple Roles (2006-2011, 2018)
Bond Operations â†' Programming Analyst â†' System Analyst â†' Application Developer
Career origin: Automated own job with VBA, promoted within 1 year

CVS Health, Capella University, Target, Rust Consulting, Best Buy (2011-2016)
.NET Developer, BI Developer, SQL Server Developer roles

Key Achievements

- **70% efficiency gain** on TN CCWIS project using Python + AI automation
- **Zero-downtime migrations:** Augeo (SQL Server â†' AWS), FedEx (Oracle â†' Databricks)
- **Government-scale delivery:** Tennessee CCWIS, Oregon Health Authority, FedEx DataWorks
- **20 years consistent delivery** across 15+ companies
- **Early AI adopter:** ChatGPT since first week (Nov 2022), 10x productivity increase

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Certifications

- Snowflake SnowPro Core (2024)
- AWS Cloud Practitioner (2024)
- Microsoft Azure: DP-900, AZ-900, AI-900 (2024)
- Microsoft Power BI Data Analyst - PL-300 (2024)
- Dartmouth Applied Data Science Certificate (2021)
- Deloitte Advanced Prompt Engineering & Generative AI (2024)

Education

Dartmouth Thayer School of Engineering
Professional Certificate in Applied Data Science (2021)

University of Saint Thomas
Bachelor of Arts - Psychology, Business (2001-2005)

What Makes Me Different

Psychology major turned data engineer with 20 years of practical experience. I learn by doing - building, automating, and solving real business problems. I use AI extensively to 10x productivity and judge outcomes over process.

I'm not a traditional engineer - I can't whiteboard algorithms or recite syntax from memory. But I've delivered working systems for 20 years across government, healthcare, and financial services.