

JESSICA HAYDEN

DATA ANALYST

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[LinkedIn](#) | [GitHub](#)

PROFESSIONAL PROFILE

Automation-focused Data Analyst specializing in mission-critical systems for healthcare and regulated industries. Eliminated 85% of manual reporting processes while maintaining 100% data integrity in high-stakes clinical environments. Expert at translating complex technical solutions (SQL, Python, ETL pipelines) into business outcomes that drive operational efficiency and compliance. Proven ability to bridge technical execution with stakeholder needs, delivering automation systems that healthcare leaders can trust.

TECHNICAL SKILLS

Data Analysis & Integration: SQL Server querying and analysis, Azure Data Studio, Excel (advanced functions, pivot tables, VLOOKUP), data modeling, data validation, healthcare analytics

Programming & Automation: Python (pandas, numpy, openpyxl, pyodbc, matplotlib), Jupyter Notebooks, ETL pipeline development, automated reporting workflows, Git/Bitbucket version control

BI & Visualization: Salesforce, Power BI (dashboard design, KPI tracking, data storytelling), Tableau

Domain Expertise: Healthcare analytics (HIPAA-compliant environments), financial services operations, mission-critical data validation, cross-functional stakeholder communication, Agile project management (JIRA, requirements gathering)

EXPERIENCE

Persante Health Care | Dec 2021 – May 2025

Reporting Analyst | Mt. Laurel, NJ

- Eliminated 85% of manual reporting processes across seven departments by developing 30+ automated solutions using SQL Server and Python, saving hundreds of labor hours monthly and enabling teams to focus on high-value strategic work
- Built end-to-end automated validation workflows for sleep study data affecting patient care decisions, reducing manual processing from hours to minutes while ensuring 100% accuracy and compliance in high-stakes clinical environment
- Partnered with hospital clients to translate technical bandwidth constraints into automated SQL/Python solutions (pandas, pyodbc, openpyxl), delivering consistent error-free reporting that leadership could trust
- Designed and deployed compliance-aware automation systems in HIPAA-regulated healthcare environments using Git/BitBucket workflows and JIRA, navigating complex regulations while maintaining operational agility
- Migrated reporting infrastructure from manual Excel processes to automated pipelines deployed via Windows Task Scheduler; worked with nested JSON data structures for API integration testing
- Built KPI tracking and reporting systems providing leadership with actionable insights on clinical operations, patient care workflows, and financial metrics

Burlington Stores | Mar 2020 – Dec 2021

Order Specialist | Burlington, NJ (100% remote)

- Processed and validated purchase orders for new merchandise through ServiceNow, using advanced Excel techniques (VLOOKUP, pivot tables) to ensure accuracy of order data.

InsPro Technologies | May 2014 – May 2019

Operations Analyst | Eddystone, PA

- Configured and administered Salesforce for company operations including time tracking, project management, expense reporting, resource allocation, and financial reporting
- Led cross-functional validation initiatives for complex system migrations across multiple client implementations, ensuring 100% data integrity and system functionality in regulated insurance environments
- Produced error tracking reports based on root cause analysis to support QA and configuration teams, improving system implementation accuracy and reducing post-deployment defects
- Analyzed financial data discrepancies in daily and weekly G/L and claims extracts, partnering with stakeholders to resolve issues and maintain data reliability for mission-critical financial reporting
- Collaborated with development teams using Agile methodologies and JIRA to track defects, prioritize issue resolution, and coordinate release deployments across multiple client environments
- Maintained validation procedures and SOP documentation to standardize client implementation processes and ensure compliance with industry requirements

PROJECTS

Slump Dog Sluggers: MLB Performance Analytics | Python, Pandas, Power BI

- Analyzing age-impact trends on Philadelphia Phillies player performance using historical MLB data
- Building predictive models to identify performance decline patterns and optimize roster decisions
- Ongoing personal project demonstrating data science curiosity and predictive analytics skills beyond professional work

Automated Inventory & Sales Tracking System | Excel, Google Sheets

- Designed custom inventory and sales tracking template for independent music teacher managing book inventory and student sales
- Built automated calculations for inventory management, expense tracking, profit margins, and tax-ready financial summaries
- Developed as freelance consulting solution to help small business owners streamline bookkeeping without expensive software

EDUCATION & CERTIFICATIONS

Associates of Science in Business Administration | Camden County College (2007)

Microsoft Professional Program Certificate in Data Science | Microsoft (2019)