MATTHEW DAVID SCOTT
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DATA & ANALYTICS ENGINEER - AI/ML
Business Analyst Transitioning to AI/ML Engineering

PROFESSIONAL SUMMARY
Healthcare business analyst with 9 years at Humana (Fortune 50) specializing in Medicare
compliance, quality assurance, and data validation. Proven track record leading
enterprise projects with zero defects, performing SQL-based data analysis, and
coordinating cross-functional teams. Seeking to leverage healthcare domain expertise and
analytical skills for AI/ML roles. Strong foundation in testing methodologies, regulatory
compliance, and data-driven decision making.

CORE COMPETENCIES
• Healthcare Domain Expert (9 years Medicare)   • SQL & Data Validation
• Quality Assurance & Testing   • CMS Regulatory Compliance
• Cross-Functional Project Leadership   • Data Analysis & Reporting
• Analytics-Based Testing Methodology   • Enterprise Stakeholder Management
• Agile/SDLC Methodologies   • Process Improvement
• Python (Learning - AI/ML Projects)   • Technical Documentation

PROFESSIONAL EXPERIENCE

Senior Risk Management Professional II (Business Analyst)
HUMANA, INC. | Louisville, KY | November 2022 - August 2025

Medicare Compliance & Quality Assurance Business Analyst leading regulatory compliance,
data validation, and stakeholder coordination for Humana's Medicare platform serving
millions of members. Subject matter expert (SME) for CMS regulations with responsibility
for cross-functional project leadership and executive reporting.

KEY ACHIEVEMENTS RELEVANT TO AI/ML:

Data Validation & Quality Assurance:
• Led e-Commerce Acceleration and Data Modernization projects achieving ZERO critical or
high defects through systematic testing and data validation methodologies
• Developed analytics-based testing approach targeting highest-impact customer segments
through data-driven experiment design - directly applicable to ML model testing
• Used SQL extensively for data integrity validation, pattern identification, and trend
analysis across Medicare platform data

Medicare Regulatory & Domain Expertise:
• Reviewed 400+ page CMS Final Rule guidance annually, identifying compliance risks and
translating complex regulations into actionable business strategies
• Achieved 100% on-time delivery for 100+ time-sensitive Medicare Member Annual
Communications (MAC) as directly responsible individual (DRI) for 3 consecutive years
• Deep understanding of Medicare/CMS ecosystem essential for building compliant
healthcare AI systems

Project Leadership & Coordination:
• Orchestrated Annual Enrollment Period (AEP) web marketing - Humana's highest-revenue
period - ensuring seamless launch through rigorous testing and cross-functional
coordination
• Managed stakeholder relationships across IT, Legal, Regulatory & Compliance, and
business units at Fortune 50 enterprise scale

• Built executive scorecards tracking performance metrics and trends, enabling data-informed strategic decisions

Analytics & Technical Skills:
• SQL querying for data analysis, validation, and reporting (expert level)
• Experience with enterprise tools: JIRA, Oracle, Braze, Firebase, Splunk, SharePoint, Power Apps/Automate
• Analytics-based methodology development for testing and quality assurance
• Created detailed documentation for complex processes and technical workflows

Risk Management Professional (Progressive Roles)
HUMANA, INC. | Louisville, KY | January 2016 - October 2022

9+ years of progressive experience in Medicare compliance, quality assurance, and business analysis.

Key Accomplishments:
• Built and maintained testing protocols ensuring consistent quality across all deliverables
• Performed SQL-based data validation to identify discrepancies and ensure data integrity
• Created standard operating procedures and knowledge repositories
• Handled escalated issues requiring immediate analytical resolution
• Participated in Agile ceremonies, sprint planning, and UAT coordination

Account Executive
MIGHTILY | Louisville, KY | July 2015 - December 2016

Digital marketing account manager coordinating project delivery across technical and creative teams.

• Managed 10+ digital marketing retainer accounts ($40k monthly revenue)
• Led Google AdWords campaigns using A/B testing to optimize ROI
• Created analytics reporting for clients on campaign performance
• Coordinated cross-functional teams (design, development, content)

EDUCATION & CERTIFICATIONS

Bachelor of Science in Communication | University of Louisville | Expected 2025
• Dean's List, Fall 2013
• Relevant Coursework: Data Analysis, Technical Writing, Project Management

Professional Development:
• Google Ads Certified (technical platform proficiency)
• Annual compliance and security training (2016-2025)
• Self-directed learning: Python, Machine Learning fundamentals

TECHNICAL SKILLS

Data & Analytics: SQL (MS SQL Server, MySQL, Expert), Data Validation, Trend Analysis, Executive Reporting
Tools & Platforms: JIRA, SharePoint, Oracle, Braze, Firebase, Splunk, Power Apps/Automate
Learning/Developing: Python, Machine Learning, AI/ML Frameworks
Methodologies: Agile/SDLC, Sprint Planning, UAT, Analytics-Based Testing, Root Cause Analysis

HEALTHCARE DOMAIN KNOWLEDGE (Critical for AI)

• Medicare/CMS Regulations: 9 years regulatory compliance expertise
• Healthcare Data Governance: Data validation, quality assurance, audit processes
• Healthcare IT Systems: Enterprise platforms, integration points, testing environments
• Stakeholder Management: IT, Clinical, Legal, Compliance, Operations coordination
• Quality Metrics: Performance tracking, executive reporting, trend analysis

WHY AI/ML TRANSITION:

Seeking to apply 9 years of healthcare domain expertise, data validation skills, and analytical problem-solving to AI/ML engineering. My Medicare compliance background provides critical regulatory knowledge for deploying compliant AI in healthcare. Proven ability to master complex technical systems (CMS regulations, enterprise platforms, SQL analytics) demonstrates capacity to rapidly develop ML/AI technical skills while contributing immediately through irreplaceable domain expertise.

KEY STRENGTHS:
• 9 years Medicare/healthcare domain knowledge (essential for healthcare AI)
• Proven data analysis and SQL expertise (foundation for ML work)
• Zero-defect track record through systematic testing (critical for AI validation)
• Cross-functional leadership at Fortune 50 scale
• Self-directed learner committed to continuous technical development