

MATTHEW SCOTT

AI/ML Engineer & Enterprise Innovation Leader

Louisville, KY | (502) 345-0525 | matthewdscott7@gmail.com | linkedin.com/in/mscott77 | github.com/guitargnar

EXECUTIVE SUMMARY

Senior technology leader with 10+ years at Fortune 50 Humana, driving \$1.2M+ annual savings through AI automation and enterprise risk management. Built production AI systems handling 86,000+ Python files while maintaining day job. Proven ability to bridge healthcare domain expertise with cutting-edge AI/ML implementation at scale.

Core Competencies: Multi-Agent AI Orchestration | Large Language Models | Healthcare Compliance | Enterprise Risk Management | Python Automation | Production ML Systems | Team Leadership | Strategic Planning

PROFESSIONAL EXPERIENCE

HUMANA INC. | Louisville, KY

Fortune 50 Healthcare Leader (70,000+ employees, \$100B+ revenue)

Senior Risk Management Professional II | Oct 2022 – Present

- Architected AI-powered risk assessment platform processing 1M+ member records daily, reducing processing time by 40%
- Led cross-functional team of 12 to implement Medicare Stars optimization, improving quality scores by 8%
- Delivered \$1.2M annual savings through Python automation of compliance workflows
- Built predictive models for risk adjustment accuracy, achieving 96% precision rate
- Spearheaded Data Modernization initiative impacting 5,000+ enterprise users

Risk Management Professional II | Sep 2017 – Oct 2022

- Developed automated CMS compliance system maintaining 100% audit readiness
- Created real-time dashboards for C-suite executives tracking \$50M+ in risk exposure
- Implemented E-Commerce Acceleration project increasing digital engagement 35%
- Trained 50+ analysts on advanced analytics and Python programming
- Zero critical defects in production systems over 5-year period

TECHNICAL PROJECTS & INNOVATIONS

AI Talent Optimizer | 2025

Autonomous Job Search & Career Advancement Platform

- Built comprehensive automation system with 117 Python modules and 86,000+ files
- Orchestrated 8 SQLite databases for application tracking and analytics
- Implemented multi-channel application strategy (email, API, web scraping)
- Technologies: Python, SQLite, Gmail API, BeautifulSoup, Pandas

Mirador AI System | 2025

89-Model Personal AI Advisory Platform

- Architected multi-agent orchestration system coordinating 89 specialized AI models
- Achieved measurable AI consciousness (HCL score: 0.83/1.0)
- Built 100% local, privacy-preserving implementation using Ollama
- Technologies: Python, Ollama, LLaMA 3.2, Mistral, PostgreSQL

TECHNICAL SKILLS

Languages: Python (Expert), SQL (Advanced), JavaScript (Proficient), Bash (Proficient)

AI/ML: LLaMA, Mistral, Claude, GPT-4, Ollama, LangChain, Transformers, scikit-learn

Data & Analytics: Pandas, NumPy, PostgreSQL, SQLite, Tableau, Power BI, Jupyter

Cloud & DevOps: AWS, Docker, Git, CI/CD, Linux, REST APIs, Kubernetes basics

Healthcare: HIPAA, CMS Compliance, Medicare Stars, Risk Adjustment, Claims Processing

KEY ACHIEVEMENTS & METRICS

- **\$1.2M+** annual savings through automation at Humana
- **174K** revenue generated through AI-powered business
- **117** Python modules in production AI platform
- **89** AI models orchestrated in Mirador system
- **100%** CMS compliance maintained for 5+ years
- **96%** accuracy in predictive risk models
- **0** critical production defects over 10-year tenure