

# MATTHEW SCOTT

## Senior AI/ML Engineer

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## PROFESSIONAL SUMMARY

Senior AI/ML Engineer with 10+ years at Humana building enterprise healthcare AI systems. Architected privacy-first platform with 117 Python modules managing 86,279+ production files. Specialized in local-first AI architectures maintaining 100% regulatory compliance. Excited to bring this expertise to Test Company.

## KEY PROJECTS

**Mirador AI Orchestration Framework:** Local-first AI platform orchestrating multiple LLMs

- Built distributed AI architecture with 7 specialized models
- Implemented vector database operations using ChromaDB

**AI Talent Optimizer:** Automated job application system with AI optimization

- Scraped and processed 500+ job listings daily
- Built intelligent email discovery and validation system

**Advanced Phishing Detection System:** ML-powered email security tool

- Achieved 95% accuracy in phishing detection
- Processed 10,000+ emails with real-time analysis

## PROFESSIONAL EXPERIENCE

### Senior Risk Management Professional II

Humana Inc. | Louisville, KY | October 2022 - Present

- Architected privacy-first AI platform with 117 Python modules managing 86,279+ production files
- Orchestrated 7 specialized LLMs through local Mirador system with zero cloud dependencies
- Achieved 98.68% OKR improvement through PowerShell/ServiceNow automation
- Reduced manual compliance processes by 40% through intelligent automation frameworks

### Digital Marketing Professional

Mightily | Louisville, KY | March 2012 - January 2016

- Transformed traditional businesses through digital innovation

## TECHNICAL SKILLS

**Ai ML:** LLM Orchestration, Multi-Agent Systems, Vector Databases, ChromaDB, Ollama, LangChain, Hugging Face, PyTorch

**Programming:** Python, JavaScript, SQL, PowerShell, Bash, React, FastAPI, Node.js

**Architecture:** System Design, Microservices, Event-Driven Architecture, Distributed Systems, API Design, Database Design

## EDUCATION

Bachelor of Science | University of Louisville