

# JARRETT RAGHNALE

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Active DoD Secret Clearance | Portfolio: <https://jarrett-raghnal-ai.vercel.app/>

Applied AI Engineer | AI Systems & Integration Engineer | LLM Automation Specialist

## PROFESSIONAL SUMMARY

Applied AI Engineer specializing in LLM integration, vector search, AI-driven workflow automation, and analytics modernization. Experienced designing and deploying AI systems across enterprise and regulated environments, translating ambiguous business needs into secure, production-ready solutions. Strong systems thinker with hands-on experience integrating vendor-agnostic LLM platforms into data pipelines, dashboards, and operational workflows.

## AI ENGINEERING CORE

**Languages & Scripting** Python (primary), SQL

**LLMs & AI Platforms** OpenAI, Anthropic Claude, Google Gemini, Microsoft Copilot / Azure OpenAI

**Applied AI & Automation** LLM-powered workflows, tool execution, routing logic, Copilot-style assistants, prompt orchestration

**Retrieval & Search** Vector databases, embedding strategies, RAG pipelines, document intelligence

**Data & Analytics** Power BI, semantic models, AI-enhanced dashboards, KPI monitoring

**Deployment & Integration** API-based integrations, enterprise data pipelines, secure model access

**Evaluation & Operations** Prompt iteration, automation validation, behavior monitoring, failure analysis

**Security & Compliance** PII handling, access controls, audit readiness, regulated environments

## PROFESSIONAL EXPERIENCE

### AI Integration Engineer & Data Automation Lead

Security Finance (Contract) | 02/2023 – Present

- Designed and deployed LLM-powered workflow automations reducing manual effort across finance operations.
- Implemented vector search and document intelligence pipelines enabling internal knowledge retrieval at scale.
- Integrated LLMs into enterprise data pipelines and Power BI reporting, surfacing AI-driven insights for operational teams.
- Built dashboards to monitor automation behavior, trigger logic, and operational KPIs.
- Authored AI-ready requirements, test scenarios, and secure integration controls for production environments.
- Modernized legacy workflows using AI assistants, improving decision speed, accuracy, and analyst throughput.
- Evaluated and integrated multiple LLM platforms (OpenAI, Claude, Gemini, Microsoft Copilot) to balance capability, cost, latency, and governance requirements.

### AI Workflow & Applied Intelligence Analyst

Cisco (Remote) | 05/2021 – 12/2022

- Built automation workflows using Python, RPA tools, and LLM-assisted processing logic.
- Integrated AI and automation features into enterprise data pipelines supporting dashboards and predictive analytics.
- Designed Power BI dashboards exposing model outputs, automation performance, and data quality indicators.
- Automated repetitive engineering and reporting tasks, improving team velocity and reducing operational load.
- Supported early internal LLM / Copilot-style knowledge system prototypes, contributing to system logic and workflow design.

## **Scrum Master (DevOps-Integrated Delivery Role)**

Capital One | New York, NY | 08/2020 – 04/2021

- Led Agile delivery for the Zelle modernization initiative, focusing on engineering flow and deployment reliability.
- Partnered with DevOps teams to streamline CI/CD workflows, improve build visibility, and reduce manual deployment steps.
- Ensured user stories included testability, monitoring hooks, and deployment requirements aligned with DevOps best practices.
- Coordinated delivery across development, QA, and cloud teams to reduce lead time and technical debt.
- Earned Tech X Award Nomination for innovation and delivery excellence.

## **CERTIFICATIONS**

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- Oracle Vector AI Certification
- Microsoft Certified: Azure AI Engineer Associate
- CompTIA Security AI+ (SecAI+)
- AWS – Generative AI with Large Language Models
- IBM – Generative AI: Introduction & Applications

## **ADDITIONAL SKILLS & PRACTICES**

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Workflow orchestration • Document intelligence • Analytics automation • Requirements engineering • Cross-functional collaboration • Jira • Azure DevOps • Power BI