James Callahan

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PROFESSIONAL EXPERIENCE

PwC | Washington, DC   *01/2026 – Present*

Generative AI Engineer

- Develop and deploy generative AI agents for commercial clients, delivering tailored solutions.

Deloitte Consulting | Arlington, VA   *12/2024 – 01/2026*

Data Scientist

- Created client-facing applications with large language models (LLMs) and retrieval-augmented generation (RAG), integrating hybrid and semantic search for contextual user support.
- Automated document workflows using Python NLP and LLMs, saving thousands of hours per month for users.
- Deployed AI solutions to over 50,000 users, driving adoption through iterative feedback and development.
- Streamlined interfaces by building agentic workflows; developed PySpark and SQL pipelines for user analytics.

Guidehouse | Arlington, VA   *08/2023 – 11/2024*

Data Scientist – Consultant

- Designed NLP-based entity-resolution tools, enhancing data quality and reporting accuracy.
- Presented AI/ML solutions to clients and supported business development through proposals and qualifications.

Pennsylvania Air National Guard | Pittsburgh, PA   *12/2017 – 12/2023*

Aircraft Technician – Staff Sergeant

- Increased training compliance and reduced spend on aerospace non-wear items by ~$40K annually.
- Collaborated with a team of 14 to manage $640M in government material assets.

EDUCATION

Master of Science | Quantitative Economics | University of Pittsburgh | *2023*

Bachelor of Science | Economics – Persian Language | University of Pittsburgh | *2022*

CERTIFICATIONS

Palantir Foundry Data Engineer Professional – *10/2024*

Palantir Foundry Application Developer Professional – *03/2025*

Databricks Generative AI Fundamentals – *02/2025*