

**Devin Hill**  
**Level:** AI/ML Engineer Senior  
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**Clearance:** Secret  
**Residence:** Nashville Metro, TN  
**Willing to relocate:** No  
**% Willing to Travel:** 10%

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#### **EXPERIENCE DETAILS**

**General Dynamics IT, AI/ML Engineer Senior** **9/2025 – Present**

**Nashville Metro, TN**

Unified Claims Acceleration Platform (UCAP) Contract for Department of VA

- Develop proof of concepts to extract typed and handwritten text with multimodal AI models and OCR tools for multipage applications on forms.
- Architect an end-to-end AWS pipeline (S3, Lambda, Bedrock/Claude, DynamoDB) to convert PDFs to structured JSON, repopulate forms, and normalize data at scale.
- Engineer a PII redaction proof of concept that extracts text data in PDFs, saves to structured JSON with text coordinates, and renders bounding boxes for visual verification.
- Present proof of concepts to executives and leadership within the organization.
- Showcase development concept to other account directors for additional potential client proposals and use cases.

**Booz Allen Hamilton, Lead AI/ML Engineer** **9/2023 – 9/2025**

**Nashville Metro, TN**

Air Force Technology Development, Lead AI/ML Engineer (4/25 - current)

- Create innovative AI solutions proactively within deliverables that can be used by clients and optimize billable efforts within the Air Force account.
- Leverage technical expertise to optimize KC-46/Knowledge Assistant billable project for enhanced chatbot optimization of document SQL table retrieval accuracy and speed.
- Develop containerized knowledge graph RAG chatbot application with Python, Neo4J, FastAPI, Docker, Ollama/Llama 3.2 & nomic-embed-text, and HTML/CSS/JavaScript for enhanced retrieval quality and relational data.
- Contribute technical architecture expertise for Requests for Proposals (RFPs) to shape solution strategies and technical approaches to meet client requirements.

Space Domain Awareness (i2S2) Internal Research and Development (IRAD), Technical Lead (9/23 – 3/25)

- Technical lead for an IRAD project, a 10-person technical team, to develop the space situational awareness application, integrating LLMs via Python, Ollama, Docker, and FastAPI, and storing results in PostgreSQL with Svelte frontend development.
- Presented for client engagement and showcases at NASA JSC, AFA (Air & Space Forces Association), Space+AI Summit, United States Space Force I3E, and Booz Allen's CEO Demo.
- Collaborated with other internal IRAD teams to integrate project components cohesively for optimal leadership ROI.
- Managed JIRA/Confluence with defined project epics/stories and facilitated PI Planning & SCRUM meetings to align with leadership expectations.
- Deployed applications on AWS EC2 and Booz Allen's BASE-C cloud platform.
- Established deliverables, use cases, and timelines for accurate project budgets regarding personnel and cost control for overall computing resources.

First LLM in Space (A2E2), Internal Research and Development (IRAD), AI Engineer (9/24 - 12/24)

- Designed a firm-branded frontend application showcasing LLM in Space within a 5-day turnaround for the NVIDIA AI Summit (10/24).
- Collaborated with engineers and leadership to ensure cohesive development and optimized the model for ISS deployment (10/31/24) and was named on a provisional patent for edge deployment.

Joint Planning Process (JPP) Internal Research and Development (IRAD), Technical Lead (3/24 – 12/24)

- Served as technical lead and built a Retrieval-Augmented Generation (RAG) app using Python, Streamlit, Mistral 7B LLM, and ChromaDB to generate planning perspectives from subject matter expert documentation.
- Further research and development with research on Crew AI agent architecture to enhance LLM applications and improve system capabilities and implemented efforts.
- Presented application demos to potential clients such as the US Army and US Cyber Command to foster collaboration and secure additional funding.

**AUVSI XPO Internal Research and Development (IRAD), AI Engineer (11/23 – 2/24)**

- Collaborated with the team to implement Retrieval-Augmented Generation (RAG) for LLM.
- Designed a Streamlit UI template to facilitate testing and evaluation.

**Rutherford County Government, Software Specialist**

**9/2022 – 9/2023**

**Murfreesboro, TN**

- Updated multiple county archive web pages displaying data sourced from SQL Server database and employees' pay stub portal using ASP.NET/CSS/HTML.
- Collaborated with the team to build a login reset app, leveraging SQL server queries to verify valid users.

**Independent Projects**

**Nashville Metro, TN**

- Built and deployed a quad RTX 3060 GPU cluster to host and serve local LLM models using Ollama supporting multi-GPU inference.
- Engineered a multi-agent persona situational analysis graph RAG application with Ollama/Llama3.2, Neo4J, FastAPI, HTML/CSS/JavaScript, and Docker that will save chatbot conversation as PDF.
- Built a client side hosted multimodal computer vision analysis app with HuggingFace Transformers, HTML/CSS/JavaScript to analyze what the video stream is, prompt a question about it, then describe.
- Finetuned TinyLlama 1.1B model to a dedicated corpus of text data ETL with Mage data pipeline tool, LoRA training library with Nvidia RTX 3060.
- Developed Svelte frontend website that prompts users to sign up for mailing list with custom form fills, inserts info into Postgres table, then an ETL Python script to extract into CSV and mass email.
- Analyze, clean, and graph e-commerce digital marketing CSV data using Python data engineering to identify the most/least profitable ad campaigns to present to customers for cost vs revenue trends.
- Edge deployment of LLMs and computer vision scripts on Nvidia Jetson Orin Nano.
- Created freelance frontend websites for clients using Svelte, CSS, and HTML.

**CERTIFICATIONS, AWARDS, AND OTHER ACTIVITIES**

- Neo4j Certified Professional, Graph Data Science Certification
- CompTIA Security +
- Wrote graduate capstone literature review on artificial intelligence and its role in evolving leadership with a practical application guide for practicing management.
- Guest speaker and panelist at MTSU's Data Science Alumni Event, showcasing notable contributions to the data field and offering valuable insights and inspiration to students and alumni; also returned for the second annual event.

**EDUCATION**

MS Management, Concentration: Organizational Leadership, Middle Tennessee State University

BS Data Science, Middle Tennessee State University

AS, Motlow State Community College