

MYLES C. HARRIS

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EXPERIENCE

Software Engineer II

Sep. 2023 – April 2026

Dell Technologies

- Built and owned REST APIs across distributed Java/Spring Boot services, leveraging async processing for high-throughput event handling; increased automated test coverage to over 90%.
- Led organization-wide Java 25 and Spring Boot 4 upgrade across 1,300+ repositories; Authored spec-driven migration recipes for phased AI-assisted execution and defined manual validation checkpoints for code owners.
- Boosted development speed 40% using LLM tooling (Windsurf, Claude, Cursor) and prompt engineering to automate code generation, testing, and documentation.

Software Engineer II

Nov. 2022 – Sept. 2023

Moogsoft

Acquired by Dell

- Designed and tested a real-time, event-driven incident-correlation microservice (Java, Kafka, Elasticsearch) that ingests 2B+ events/day and cut MTTR by up to 35% across Fortune 100 customers.
- Built a performance monitoring platform (JMeter) that load-tested distributed microservices, reducing manual QA cycles by 75% and defining scalability metrics for executive decisions. Integrated into CI/CD pipeline (Jenkins).
- Developed mock OAuth service using AWS Lambda to simulate authentication flows for integration testing.

Software Engineer

July 2019 – Oct. 2022

Northrop Grumman | Enterprise Top Performer 2021 - 2022

- Led software delivery for GPS/Inertial Navigation Systems, meeting DO-178C standards while developing sensor/radar libraries (C++) as a technical Scrum Master.
- Managed program-level technical delivery across 8 cross-functional teams (~80 engineers), identifying and resolving cross-team blockers to reduce rework cycles and recover 2 weeks of engineering capacity per quarter.

PROJECTS

Orbit (Video Conferencing App) | *TypeScript, React, Express, PostgreSQL, Twilio, Daily.co, BullMQ, Claude Code*

- Built a group video-calling platform with Daily.co for real-time video and Twilio for SMS/OTP. Designed stateless APIs for call scheduling / orchestration and optimized PostgreSQL schemas to support 100+ concurrent calls.
- Developed end-to-end with LLM-assisted tooling, enabling 20% faster iteration on new features.

California Culinary Map (Multimodal RAG Assistant) | *Python, LangChain, LangGraph, ChromaDB, FastMCP, Gradio*

- Built a multimodal RAG pipeline over a restaurant/recipe database; captioned 100+ images via vision LLM; indexed dual 384-d text / 512-d image embeddings in ChromaDB with weighted fusion & metadata-filtered reranking.
- Designed a multi-agent recommendation system (LangGraph) with NL intent classification and preference extraction, exposed via a FastMCP server (3 tools, 1 resource) for query, recommendations, and review retrieval.
- Built an MCP / ReAct agent loop binding server tools to an LLM at runtime, delivered via Gradio chat interface.

TECHNICAL SKILLS

Languages: Java, Python, TypeScript, JavaScript, C++, SQL

Frameworks: Node.js, Express.js, React, Spring Boot, LangChain, LangGraph, Angular

Developer Tools: Git, Kubernetes, Docker, AWS, Jenkins, Kafka, Grafana, Maven, Redis, BullMQ

LLM-Assisted Development: Claude, Cursor, Windsurf, ChatGPT, Copilot

Libraries: Pandas, NumPy, Matplotlib, SciPy, Scikit-Learn

GenAI: Prompt engineering, LLM function/tool calling, model evaluation, RAG pipelines, vector databases (ChromaDB, FAISS), LangChain, LangGraph, agentic AI (ReAct, multi-agent orchestration)

INVOLVEMENT

National Society of Black Engineers | *Atlanta & Los Angeles Professionals Chapter*

2023 – Present

EDUCATION

Mercer University

Macon, GA

Coursera

Completed June 2026

Master of Science, Software Engineering
Bachelor of Science, Mechanical Engineering

IBM RAG and Agentic AI Professional Certificate