

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 across distributed microservices.

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.
- Built JavaFX UI integrated with C++ backend for satellite defense system, adopted by nearly 100 mission operators.

PROJECTS

Orbit (Video Conferencing App) | *TypeScript, React, Express, PostgreSQL, Twilio, Daily.co, 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 from system design and prompt-driven feature buildout to automated testing and deployment, enabling 20% faster iteration on new features.

ML Stock Screener | *Scikit-Learn, TensorFlow, Python*

- Built scalable pipeline for ingesting, processing, and analyzing 10+ years of S&P 500 data using LSTM and K-Means Clustering; achieved 0.92 F1 score, serving 1K+ weekly queries.

Electric Prosthetic Arm | *Machine Design, Finite Element Analysis, PCB Design*

- Led interdisciplinary team to deliver EMG-controlled prosthetic prototype 98% cheaper than commercial devices.

TECHNICAL SKILLS

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

Frameworks: Node.js, Express.js, React, Angular, JUnit, TestNG, Guice, Spring Boot

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

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

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

INVOLVEMENT

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

2023 – Present

NGC African American Task Group | *Communications Lead / Vice-Chair*

2019 – 2022

EDUCATION

Mercer University

Macon, GA

Master of Science, Software Engineering

Bachelor of Science, Mechanical Engineering