Nathan McMillan

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EDUCATION

Clemson University   **August 2022 - May 2026**
B.S. in Computer Science, Senior   *Clemson, SC*
Relevant Courses: Intro-Programming logic, Object Oriented Programming , Algorithms and Data Structures , Discrete Structures, Intro to Software Development, Intro to Computer Organization, Intro to Software Engineering, Intro to Design and Analysis of Algorithms, Programming Systems
Clubs & Organizations: Clemson Forge, Member

TECHNICAL SKILLS

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

Frameworks & Libraries: Node.js, JavaFX, JUnit
Databases: MySQL, DynamoDB
Cloud & DevOps: AWS (Lambda, API Gateway, DynamoDB), Git/Github, REST APIs, Postman
Tools & Platforms: IntelliJ, VSCode, Android Studio, Cinema4D, Blender, Unreal Engine

EXPERIENCE

CCIT INTERNSHIP   **May. 2025 – Current**
Classroom Audio & Video Team   *Clemson, SC*
- Assist with the installation, maintenance, and troubleshooting of classroom audio-visual equipment, ensuring optimal functionality for lectures and presentation
- Perform routine system checks and updates on projectors, microphones, speakers, and video conferencing tools.
- Collaborate with team members to improve the AV system and enhance the classroom learning experience on-campus.

Starbucks Coffee Company   **Nov. 2020 - July 2022**
Barista   *Duncan, SC*

PROJECTS

Checkers Application (Java, JavaFX, JUnit)   **Sep. 2024 - Dec. 2024**
- Implemented Test-Driven Development to ensure reliable code through automated JUnit testing.
- Applied core object-oriented principles such as inheritance, polymorphism, and encapsulation.
- Utilized data structures and design patterns to optimize the application's performance and maintainability.

TigerChow (JavaScript, AWS lambda, API gateway, DynamoDB, Node.js)   **Feb. 2025 - April 2025**
- Designed and implemented three AWS-backed microservices (**Accounts**, **Notifications**, and **Orders**) for a simulated food ordering platform using AWS Lambda, API Gateway, and DynamoDB.
- Developed the **Accounts service** to support customer, restaurant, and admin user management, with full CRUD functionality and query-based filtering.
- Built the **Notifications service** to trigger and track real-time updates related to orders and customer support, using DynamoDB for persistent logging and notification type management.
- Created a new **Order service** enabling customers to place, modify, and cancel multi-item orders, and allowing employees and drivers to update order status throughout the delivery process.

CERTIFICATIONS

- JavaScript Fundamentals – SimpliLearn | March 2025