

Oluwatobi (Tobi) Emmanuel

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EDUCATION

University of North Texas | Denton, Texas

Expected Graduation: May 2026

Bachelor of Science - Computer Science (ABET accredited)

Relevant Coursework: Object-Oriented Programming, Software Engineering, Data Structures, Cybersecurity, Cloud Computing, Artificial Intelligence

TECHNICAL SKILLS

Software: Visual Studio Code, UML, PyCharm, Microsoft Office Suite (Excel, Outlook, PowerPoint, Word)

Programming Languages: C++, Python, PowerShell

DevOps Tools: AWS Services, Git, Jenkins, Ansible, Docker, Terraform

Database: SQL, DynamoDB

Certifications: AWS Certified Solutions Architect (Associate) – Earned January 2024

Languages: Dutch (Native), English (Proficient)

RECENT PROJECTS

Automated Multi-Cloud Deployment System | AWS (VPC, EC2, S3), Terraform, Jenkins, Docker, Git

January 2025

- Provisioned AWS resources (VPC, EC2, S3) using Terraform for multi-cloud infrastructure automation.
- Built a CI/CD pipeline in Jenkins to deploy containerized applications with Docker, reducing deployment time by 30%.
- Streamlined log storage with AWS S3, enabling efficient log management and improving monitoring capabilities.

Soccer Club Management Application | C#, WinForms, GitHub, SQL

December 2024 – January 2025

- Developed a desktop application for managing a soccer club, including features for navigating Positions, Players, and Football Manager sections.
- Implemented CRUD operations (Create, Read, Update, Delete) to manage player data and ensure seamless interaction with the SQL database for efficient data storage and retrieval.
- Leveraged object-oriented programming principles to handle player data efficiently and ensure modular, scalable code.
- Version-controlled the application using GitHub, enabling streamlined updates and collaboration.

Serverless Workflow Automation Platform | AWS Lambda, DynamoDB, API Gateway, CloudFront

December 2024

- Designed API endpoints using AWS API Gateway to securely connect with Lambda Functions, improving scalability and flexibility for the platform.
- Optimized application performance by using CloudFront for content delivery, ensuring low-latency access to serverless applications.
- Achieved 40% reduction in operational costs by leveraging AWS lambda's pay-per-use model, eliminating the need for dedicated server management.
- Automated data management by configuring DynamoDB for real-time storage and retrieval, ensuring seamless data flow and enhancing platform responsiveness.

LEADERSHIP & SCHOLARSHIP

The National Society of Leadership and Success (NSLS)

January 2024 - Present

- Selected by campus administration to participate among top students in the NSLS leadership program.

International Education Scholarship | University of North Texas

May 2024

- Awarded to undergraduate and graduate students actively contributing to campus internationalization efforts.