

Emmanuel Oluwatobi

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| GitHub: tobifotis

CAREER PROFILE

Diligent and motivated Computer Science student at the University of North Texas graduating in May 2026 from an ABET-accredited program. Skilled at overall cloud development, migration, and implementation of cloud services. Experienced in operations and maintenance support for various AWS cloud resources, including EC2 instances, S3 buckets, VPCs, ELBs, RDS, backups, code deployment via git, configuration, maintenance, and monitoring via CloudWatch.

EDUCATION

University of North Texas | Denton, Texas

Expected Graduation: May 2026

Bachelor of Science – Computer Science (ABET accredited)

TECHNICAL SKILLS

Software: Visual Studio Code, Command Prompt, Jenkins, Git Bash, Microsoft Teams

Tools: Amazon Web Services (AWS), Git, Bootstrap, Docker, Terraform, Elastic Container Registry (ECR)

Operating Systems: Windows, Linux, MacOS

IT Coding: Bash, Shell Scripting

Spoken Languages: Dutch (Native), English (Proficient)

Certifications: AWS (Certified Solutions Architect)

PROJECTS

Fitness Static Website Deployment with Jenkins on AWS

Dec 2023

- Selected and downloaded a dynamic and visually appealing fitness website template from Free CSS.
- Utilized Git Bash terminal for local development, ensuring a seamless workflow.
- Successfully pushed the source code to a GitHub repository for collaborative and remote access.
- Configured a Jenkins server on an Amazon Linux 2 EC2 instance for continuous integration and deployment.
- Created a Jenkins job to automatically pull the latest source code from GitHub.
- Utilized Jenkins build job to launch and deploy the fitness website, streamlining the deployment process.

Event-Driven Architecture with AWS Lambda for S3 Object Replication

Nov 2023

- Designed and implemented an AWS Lambda function, triggering automatic replication of objects from a source S3 bucket to a destination S3 bucket upon each upload, optimizing data management processes.

Infrastructure as Code: Multi-Tier, Highly Available VPC Creation with Terraform

Aug 2023 – Oct 2023

- Orchestrated a two-availability zone (AZ) architecture for high availability and fault tolerance.
- Integrated key components, such as Internet Gateway (IGW), and private and public Route Tables, for seamless connectivity and efficient traffic routing.
- Engineered and deployed two public and two private subnets, optimizing network segmentation for security and performance.
- Created an EC2 instance and attached all necessary security configurations, ensuring a secure hosting environment.
- Managed AWS services such as Cloud Watch, IAM, CloudTrail, EC2, and more.
- Developed Terraform modules to provision instances in AWS and automated the process of creating resources in AWS using Terraform.

EMPLOYMENT EXPERIENCE

Nike European Logistics Center, Warehouse Associate, Antwerp, Belgium

Jan 2021 - Dec 2021

- Managed and facilitated the efficient flow of Nike products within the warehouse, ensuring accurate and timely order fulfillment.

LEADERSHIP EXPERIENCE

University of North Texas, International Student Affairs, Member, Denton, TX

Sept 2023 – Present

- Collaborated with the International Affairs department at the University to create and present a compelling PowerPoint presentation on Belgian culture to a diverse audience of 26 students.

Weatherford College, International Student Organization, President, Weatherford, TX

May 2022 – Jun 2023