

Oluwatobi Emmanuel

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Education

University of North Texas | Denton, Texas

Expected Graduation: May 2026

Bachelor of Science - Computer Science (ABET accredited)

Weatherford College | Weatherford, Texas

Jan 2022 – May 2023

Associate of Science - Information Technology

Technical Skills

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

Tools: Amazon Web Services (AWS), CloudFormation, Git, Bootstrap, Terraform

IT Coding: Bash, Shell Scripting, PowerShell

Operating Systems: Windows, Linux, MacOS

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

Certifications: AWS (Certified Solutions Architect)

Projects

Portfolio Website | Git Bash, EC2 instance, Linux, Jenkins, AWS

Dec 2023

- Engineered a Jenkins server on Amazon Linux 2 EC2 instance for continuous integration and deployment.
- Utilized Git Bash terminal for local development, ensuring a seamless workflow.
- Programmed terminal to push the source code to a GitHub repository for collaborative and remote access.
- Built a Jenkins job to automatically pull the latest source code from GitHub.
- Designed Jenkins job to launch and deploy the site, streamlining the deployment process.

Event-Driven Architecture | Lambda, CloudTrail, S3, CloudWatch

Nov 2023

- Implemented Event-Driven Architecture using AWS Lambda for S3 object replication.
- Collaborated with a TAM at AWS to optimize the AWS Lambda function for S3 object replication.
- Configured Amazon CloudTrail to record API calls.
- Utilized AWS CloudWatch to monitor AWS Lambda function and S3 bucket metrics.
- Developed AWS Lambda function for automatic S3 object replication.

Infrastructure as Code | Internet Gateway, VPC, Terraform, Subnet

Aug 2023 – Oct 2023

- Orchestrated a two-availability zone (AZ) architecture for high availability and fault tolerance.
- Integrated Internet Gateway (IGW), and private and public Route Tables, for efficient traffic routing.
- Optimized network segmentation for security and performance by deploying two public and private subnets.
- Configured all necessary security settings and created an EC2 instance, ensuring a secure hosting environment.
- Automated the process of creating resources and developed terraform modules in AWS.

Employment Experience

Peer Mentor

Sept 2023 – Present

University of North Texas | Denton, Texas

- Communicate with peers to facilitate growth through mentorship sessions.
- Access mentees' progress, employing active listening to provide personalized support.
- Maintain regular communication with the academic support department, ensuring mentees' needs are addressed promptly.

Warehouse Associate

Jan 2021 – Dec 2021

Nike European Logistics Center | Antwerp, Belgium

- Organized inventory systems for efficient tracking and management.
- Surveyed thousands of returning and outgoing Nike products for quality.
- Catalogued items using RF Scanners and ERP software, to record SKU numbers and efficiently manage inventory.