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

Cloud & DevOps: Amazon Web Services, CloudFormation, Terraform
Web Development: HTML5, CSS, Bootstrap, Flask, APIs
Spoken Languages: Dutch (Native), English (Proficient)
Environments: C++, Python, Bash, PowerShell
Tools: VS Code, PyCharm, MS Office, Git, Bs4
Data Analysis: Pandas, Matplotlib
Certifications: AWS Certified Solutions Architect

Recent Projects

Portfolio Website | Git Bash, EC2 instance, Linux, Jenkins, AWS   April 2024
- 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.

Web Scraping Project | Python, BeautifulSoup, Requests   May 2024
- Developed a web scraper using Python's BeautifulSoup and Requests libraries to extract song titles from the Billboard Hot 100 chart.
- Parsed HTML content to retrieve the number one song and other song titles on the chart.
- Implemented data extraction techniques to clean and structure the scraped data.
- Automated the process of fetching and parsing web content to ensure up-to-date information retrieval.

Infrastructure as Code | Internet Gateway, VPC, Terraform, Subnet   June 2024 – July 2024
- 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.

Leadership and Scholarships

The National Society of Leadership and Success   Jan 2024 – Present
- Selected by campus administration to participate among top students in the NSLS leadership program.

International Affairs Education Scholarship   May 2024
- Awarded a scholarship from the University of Texas recognizing academic excellence and international engagement.