



# TOLULOPE FAKOYA

DevOps Engineer

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Lagos, Nigeria 

## EDUCATION

### Babcock University

B.Sc Software Engineering

Ogun State, Nigeria.

2019 – 2023

- **Grade:** First-Class Honors
- **Relevant Coursework:** Algorithms and Data Structures, Database System Design-Implementation and Management, Linux System Administration.

## SKILLS

- Vulnerability Assessment and Penetration Testing (VAPT).
- Proficiency in programming languages (e.g., Python, JavaScript).
- Secure coding practices.
- Model tuning and hyperparameter optimization.
- Cloud platforms (AWS, Azure, GCP)
- Software architecture and design patterns

## Tools

- Numpy
- Pandas
- Javascript
- Git
- Puppet
- Metasploit
- burpsuite
- Nmap
- Terraform
- Docker
- Postman

## CERTIFICATIONS

- **Comptia Security +** – CompTIA Security+ ce [\[Click to view\]](#)
- **ISC2 (CC)** – Certified in Cybersecurity [\[Click to view\]](#).
- **AWS Certified DevOps Engineer - Professional**[\[Click to view\]](#).
- **AWS Certified Solutions Architect - Associate** [\[Click to view\]](#).
- **PCAP** – Certified Associate in Python Programming [\[Click to view\]](#)
- **PCEP** – Certified Entry-Level Python Programmer [\[Click to view\]](#)

## PROFESSIONAL EXPERIENCE

### Lead Solutions Architect - Full Time

Vontech Group | Oct 2024 - Present

- Designed and developed AI solutions leveraging AWS services such as AWS Bedrock and SageMaker, this enabled clients accelerate their machine learning workflows and reduce model deployment times by 35%.
- Led migration efforts for 5+ startup clients, executing lift-and-shift strategies for existing infrastructure to AWS, reducing operational costs by 25% on average and improving system reliability.
- Integrated traditional AI workflows with AWS services such as AWS Lambda, Amazon RDS, and Amazon S3, enabling seamless data preprocessing, model training, and inference pipelines that reduced processing times by 25%
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### DevOps Engineer - Full Time

Datamellon | Oct 2023 - Oct 2024

- Implemented robust CI/CD pipelines using Jenkins and AWS CodePipeline, leading to a 60% decrease in deployment times and a 30% increase in deployment frequency.
- Automated routine tasks and workflows with Terraform and AWS Lambda, reducing manual intervention by 80%.
- Analyzed and optimized cloud spending, employing Reserved Instances and Spot Instances to achieve a 25% cost saving on AWS bills.
- Employed serverless architecture to architect and deploy scalable, cost-efficient solutions for clients, resulting in a 40% decrease in infrastructure expenses.
- Implemented Large Language Model (LLM) agents to streamline in-house operations, improving infrastructure development speed by 40% through automation and advanced generative capabilities.

### System Administrator - Part Time

Azul Nigeria | Jan 2021 - Jun 2023

- Managed network infrastructure, including switches, routers, and firewalls, resulting in a 25% increase in network reliability and speed.
- Led incident response efforts for critical system failures, achieving a mean time to resolution (MTTR) of less than 1 hour.
- Developed scripts using PowerShell and Bash to automate routine tasks, reducing manual workload by 60%.
- Set up and maintained monitoring tools (e.g., Nagios, Zabbix) to track system health and performance, leading to a 50% reduction in downtime.

# MEMBERSHIP

**ISC2 Member**      Dec 2023 - Present  
world's leading member association for cybersecurity professionals

**BUCC Member**      2023 - Present  
Babcock's University Computer Club for Babcock University Students

**GDSC Memeber**    Nov 2022 - Jun 2023  
Cyber Security Co-Lead  
Google Developer Students Club  
Babcock University

# Interests & Hobbies

- CTF Challenges
- Reading
- Riddles
- Anime

# Language(s)

English

# Awards and Recognitions

- Google Developer Student Club - Honorary Award For Cybersecurity [\[view\]](#)

# SOFT SKILLS

- Teamwork
- Patience
- Flexibility
- Communication
- Problem Solving

# Backend Developer - Intern

HIIT Plc. | Jan 2022 - June 2022

- Increased student understanding of Python concepts by 20% as measured by pre- and post-training assessments
- Led team in building small-scale web applications with Python frameworks like Django, delivering 5 projects.
- Effectively communicated technical concepts with enthusiasm and clarity, resulting in a 30% increase in audience engagement and comprehension during presentations and discussions.

# Projects

## THENDER [\[view project\]](#)

- Developed a Web Socket-based file transfer app with Django Rest Framework for seamless cross-platform data transfer, prioritizing privacy by avoiding intermediary servers.
- Provided a simplified solution for large file transfers over the internet, bypassing torrent complexities and cloud storage limitations, ensuring a streamlined and secure sharing experience.

## Hunter control [\[view project\]](#)

- Developed a Terminal based program to allow multiple users and clients connect seamlessly, and have multiple independent sessions which allow the trade of commands and responses across a remote network.

# Articles

## Managing Database Environments Efficiently with Prisma, Docker, and Environment Variables

The purpose of the article was to showcase how a Prisma project can be set up with production and development databases using a contact list app, and the order of migration or changes to the schema would be done. [\[Read\]](#)

# CTF Write-Ups

## Crack The Hash - Try Hack Me

Crack the Hash is a Capture the Flag (CTF) challenge focused on hash cracking. Participants are given hashed values, typically derived from passwords or sensitive data, and must identify the original plaintext values. [\[Preview\]](#)