

# Victor Okafor

Lagos, Nigeria

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## Education

University of Lagos

Bachelor of Science in Computer Engineering

Sep 2016 – Jul 2020 | Lagos, Nigeria

GPA: 4.7/5.0

Activities: Internet of Things Club President, Robotics Competition Team, Community Tech Educator

Relevant Coursework: Embedded Systems, Hardware Programming, IoT Architectures, Digital Electronics, Microcontrollers, Networking Protocols, Sensor Technologies

Final Year Project: Smart Agricultural Monitoring System for Rural Communities

## Work Experience

IoT Engineer | Interswitch | Aug 2020 - Present | Lagos, Nigeria

- Designed and deployed IoT payment terminals used by 50,000+ merchants across West Africa.
- Developed firmware for embedded devices using C/C++ reducing power consumption by 35%.
- Created cloud-based management platform for device provisioning, monitoring, and remote updates.
- Implemented security protocols protecting payment data in compliance with PCI-DSS standards.

## Skills

Hardware: Microcontrollers (ARM, AVR, ESP32), Raspberry Pi, Arduino, Sensors, Actuators, PCB Design

Embedded Software: C, C++, MicroPython, embedded Linux, RTOS, Firmware Development

IoT Protocols: MQTT, CoAP, HTTP/HTTPS, Modbus, Zigbee, BLE, LoRaWAN

Cloud Platforms: AWS IoT, Azure IoT Hub, Google Cloud IoT Core, ThingsBoard, Particle

Cloud

Networking: TCP/IP, WiFi, Cellular (2G/3G/4G/5G), IPv6, Gateway Configuration

Security: Secure Boot, Device Authentication, Data Encryption, Over-the-Air Updates

Other: Power Management, Edge Computing, M2M Communication, Digital Signal Processing

## **Certificates**

AWS Certified IoT Specialty

Microsoft Certified: Azure IoT Developer Specialty

Certified IoT Security Practitioner

ARM Accredited IoT Engineer

## **Awards**

Top IoT Innovation – Africa Tech Awards 2023

Best IoT Solution for Financial Inclusion – Nigeria FinTech Awards 2022

IoT Project of the Year – Lagos IoT Summit 2021