



OKUMA G. CHIGOZIE

IT Security | Cloud & Monitoring | Python Automation

Portfolio

Experience

Software Development Intern

Hangzhou Jinyi Network Technology Co., China September 2024 - January 2025

- Contributed to backend feature development using Python and JavaScript, while implementing REST API integrations, optimized database queries and debugging, testing, and performance improvement while collaborating with the development team using Git version control.
- Assisted in processing and handling structured application data for backend services.

IT Support - Wenken Nig Ltd., Nigeria

June 2022 - July 2023

- Technical support to users for hardware, software, and network issues and maintaining operating systems with basic network troubleshooting and user account management.

Education

Technische Hochschule Deggendorf (THD)

October 2025

B.Sc. Artificial Intelligence (Current)

Zhejiang University of Science and Technology

June 2025

B.Sc. Computer and Information Science

Projects

Secure Task API - Cloud Deployed Backend System

- Designed and deployed a Python based REST API using FASTAPI and PostgreSQL, to manage structured application data, implementing authentication, role based access control, secure user management, and scalable backend architecture.
- Containerized the application with Docker and deployed to Azure App Service, integrating a CI pipeline for automated container builds.

Cloud Security Monitoring & Log Analysis System

- Built a Python based honeypot data monitoring system to ingest and process log data, detecting patterns in system and network activity.
- Developed dashboards using Grafana to support threat visibility and monitoring of potential security events.

E-Commerce Platform with Crypto Payment

- Built a full stack web application using JavaScript and backend services, integrated a crypto system, designed backend for transactions validation, order processing, user management, and secure digital commerce operations

Web Reconnaissance & Vulnerability Scanner

- Developed an automated vulnerability scanning tool to identify open ports, detect potential security weaknesses, and support basic penetration testing workflows.

3proxy Proxy Server

- Deployed and configured a 3proxy server to enable secure traffic routing, traffic filtering rules while validating connection security in a network environment.

Contact

Phone: +4917661841968 Email:

Cjokuma23@outlook.com

Address: Bavaria, Germany

Summary

Artificial Intelligence student with a background in Computer Science and experience in IT security, system monitoring, and Python based automation. I am experienced in log analysis, vulnerability scanning, and building security focused backend systems using cloud platforms and containerised environments. I am interested in security operations, threat detection, and protecting cloud based systems.

Technical Skills

Security: Vulnerability scanning, Log analysis, Network monitoring & Automation, Threat detection
Programming: Python, TypeScript, JavaScript

Backend: Fast API, REST APIs

Database: PostgreSQL, MySQL

Cloud & DevOps: Azure, Docker, CI/CD, GitHub

Tools: Git, Bash, Azure CLI

Language

English: Native

Chinese: HSK4

Deutsch: A1 (learning)

Certification & Learning

Security+ (in progress)

Azure 104