

Ateh Frank Ateh

Computer Networks & Software Engineering Student

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PROFILE

Final-year engineering student specializing in Computer Networks and Software Engineering at SUP'PTIC, Yaoundé, with deep practical experience across infrastructure, cybersecurity, software development, and cloud computing.

I have built and operated complex technical environments that most students only study in theory: a multi-OS security lab running live penetration tests with Metasploit, a fully configured private cloud on OpenStack, a Linux host running seven production-grade servers simultaneously, and containerized multi-database architectures using MongoDB, Cassandra, Redis, and Neo4j in tandem. I write Python, Java, C, and PHP, build mobile applications in Android Studio, design relational and NoSQL databases, and use tools like Docker, GNS3, Wireshark, Wazuh, and Zabbix fluently. Alongside my engineering work, I have co-founded startups, trained over 30 young people in digital skills, and delivered client projects spanning web platforms and tech talent assessment tools. Currently mastering React, TypeScript, and Laravel to expand my full-stack capabilities.

EDUCATION

Engineering Degree in Computer Science & Networks, 2023 – 2026
École Nationale Supérieure des Postes et Télécommunications et TIC (SUP'PTIC)

High School Diploma, *Franky Comprehensive Secondary School, Yaoundé* 2018 – 2020
Graduated 2020 | Average: 16.03/20 | SAT: 1340

TECHNICAL SKILLS

Programming & Development

Python, Java, C, PHP, JavaScript, HTML / CSS / XML

Currently Learning

React, Tailwind CSS, TypeScript, Laravel

Networking

- VLAN segmentation
- OSPF routing
- MPLS implementation
- Network monitoring
- MikroTik router configuration
- Traffic analysis with Wireshark

Databases

MySQL, SQLite, MongoDB, Cassandra, Redis, Neo4j

Frameworks & Tools

Node.js, Webflow, Flask, Docker, Git, Android Studio

Infrastructure & Systems

- Linux system administration
- Virtualization (VMware, VirtualBox)
- Containerization using Docker
- OpenStack deployment

Cybersecurity

- Vulnerability scanning
- Penetration testing labs
- Metasploit exploitation
- Security monitoring with Wazuh and Zabbix
- Mobile application static analysis using MobSF

INTERESTS

- Technology innovation
- Entrepreneurship
- Chess
- Football
- Gaming
- Problem solving

HONORS & ACHIEVEMENTS

Selected Startup Founder , <i>U.S. Embassy Accelerator Program</i>	01/12/2022
Gold Medalist , <i>Nsyimeyong Champio Soccer Tournament</i>	01/12/2022
Best Young Player , <i>Nsyimeyong Champio Tournament</i>	01/12/2022
Delegate , <i>Open Dreams Yale Model African Union</i>	01/12/2022
Academic Excellence Awards , <i>FCHS</i>	2020
Bronze Honor , <i>ODSA Hackathon</i>	01/12/2019
Best Student , <i>LEADEx Engineering Olympiad</i>	01/12/2019
Red Feather Award , <i>Best Child Actor in Cameroon</i>	01/12/2016
Bronze Honor , <i>International Youth Math Challenge</i> Top 15%	

TECHNICAL PROJECTS

Cybersecurity Virtual Lab Environment

Designed a complex security lab environment integrating Windows and Linux systems. Configured MikroTik routers as DHCP servers, segmented networks using VLANs, and implemented static routing between multiple subnetworks. Performed network scans using Zenmap and executed controlled exploits on Metasploitable machines using Metasploit.

(Technologies used: VMware, VirtualBox, GNS3, Kali Linux)

Linux Infrastructure Deployment

Installed and configured multiple servers including DHCP, DNS, Apache, Postfix mail server, NFS, SSH, and Samba Active Directory. Connected Linux clients through internal networks and configured services to simulate enterprise infrastructure.

OpenStack Private Cloud Deployment

Deployed a private cloud environment using MicroStack. Configured virtual networks and routers, launched compute instances, attached storage volumes, and accessed instances via SSH.

AI Network Assistant Application

Developed a low-resource application that helps students generate networking project ideas, analyze code, and debug programs.

(Technologies used: Python, Flask, SQLite)

School Management System

Developed a multi-user school management platform with modules for students, teachers, and administrators. Implemented student registration, grade management, payment tracking, and academic document generation.

(Technologies used: PHP, HTML, CSS, MySQL)

Android Weather Application

Built a mobile application that retrieves real-time weather data from the OpenWeather API. Implemented city auto-complete search and persistent storage of favorite cities.

(Technologies used: Java, XML, Android Studio)

Autonomous Parking Robot

Designed and built a robotic vehicle capable of detecting parking spaces using ultrasonic sensors and automatically executing parking maneuvers.

(Technologies used: Arduino Mega, L298N motor driver, ultrasonic sensors)

NoSQL Social Media Database

Designed a social media database architecture using multiple NoSQL paradigms including MongoDB, Cassandra, Redis, and Neo4j.

ENTREPRENEURSHIP & PROJECT INITIATIVES

Co-Founder – Terra Talent

Created a platform designed to assess and showcase Cameroonian tech talents. Contributed to candidate evaluation systems, community engagement, and platform visibility.

Co-Founder – Terra Crowd Fund

Developed a crowdfunding platform to help farmers access funding from nearby supporters and investors.

Founder – Absurd Geeks Digital Agency

Founded and managed a digital marketing agency delivering social media marketing services and digital campaigns. Trained over 30 young individuals in digital marketing skills.

MEDIA, MARKETING & COMMUNITY ENGAGEMENT

Co-managed a Facebook media page with over 2,400 followers. Served as Graphic Designer and Head of English Media Department for the SUP'PTIC Student Association. Expanded the association's WhatsApp channel to more than 1,000 followers.

SOCIAL IMPACT & VOLUNTEERING

Volunteer – Skollar Contributed to outreach initiatives supporting an ed-tech platform helping thousands of Cameroonian students improve exam performance.

Mentor – Open Dreams Supported high-achieving students from low-income backgrounds through mentorship and academic guidance.

Youth Engagement – 1.8 Billion Youth for Change Campaign Mobilized and recorded over 5,000 responses for global youth engagement initiatives.

PROFESSIONAL EXPERIENCE

Intern – CAMTEL Telecommunications Company

Gained exposure to telecommunications infrastructure and enterprise networking environments.

REPRESENTATION & LEADERSHIP

Student Representative – FETUC 2025

Represented SUP'PTIC students in discussions about entrepreneurship and challenges faced by student founders.

Student Representative – UNIFAC 2025

Presented entrepreneurial initiatives promoting student innovation and cultural expression.