

MBAH MOFFO JOSUE

Backend Developer | Java & Python SecOps

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JosueMoffo



PROFESSIONAL PROFILE

Backend Developer focused on application security, I design reliable architectures using FastAPI, Spring Boot, and Django. My work centers on data isolation (multi-tenant) and the integration of robust security mechanisms. I build scalable systems where security is not an afterthought, but the very starting point of the code.

MAJOR PROJECTS

Shuba – SaaS Marketplace

Software Architecture

- Design and development of a multi-tenant SaaS platform using **Django** (management of organizations, products, carts, payments, and authentication).
- Event-driven architecture with REST API design.
- Strict implementation of data isolation and fine-grained management of concurrent transactions to guarantee system integrity.

QUORX – System Design & Simulation

R&D / Educational Simulator

- Architecture modeling of an immersive simulator under **Ubuntu Linux** with the **Godot 4** engine, dedicated to training system reflexes.
- Local simulation development (**GDScript**) of the central engine (Core Engine) integrating a random incident generator (CPU/RAM overloads, network anomalies, memory leaks).
- Design of a system for persistent evolving profiles and internal economy via **SQLite**.

Supervision & Intrusion Detection (IDS)

Security Expertise

- Deployment of a virtualized infrastructure under **VirtualBox** monitored by **Nagios** (CPU, RAM metrics, services) and protected by **Snort**.
- Creation of custom IDS signatures for fine-grained detection of port scans, DDoS attacks, and IP fragmentation.
- Centralization of logging under **MySQL** for post-incident audit and attack simulation with **Scapy**.

TECHNICAL SKILLS

Back-End

Python Java Django FastAPI Spring Boot

Front-End

JavaScript TypeScript React Next.js Tailwind CSS

Infrastructure, Security & SecOps

Docker Linux AES-256 / RSA Wireshark Snort Nagios Monitoring & Logs

Databases

MySQL PostgreSQL

Design, Tools & Methods

UML API REST Agile/Scrum CI/CD Git

ADDITIONAL TRAINING

- Application & Network Security**
Practical rooms on **TryHackMe** (OWASP Top 10 Principles, Introduction to Security)
- Protocols & Web**
TCP/IP model, HTTP requests, DNS, and Linux system fundamentals (**TryHackMe** / **Open-Classrooms**)
- Programming**
An application with Java Spring Boot via **Open-Classrooms**

LANGUAGES

French
English



French: Native Speaker
English: Technical

EDUCATION

Engineering Degree in Computer Engineering
National Advanced School of Engineering of Yaoundé (ENSPY)

Ongoing – 4th year

Mathematics (First Year / L1 Level)

University of Yaoundé I

Oct. 2021

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