



PROFILE

Software engineer with a Master's in Computer Science & Engineering and 4+ years building backend services, web platforms and system integrations. Comfortable across the stack — Python (FastAPI), PHP/Laravel and C — with hands-on experience in REST API design, relational databases, Docker and CI/CD pipelines. Leader of the OWASP Cotonou chapter, with a security-first engineering mindset. Fluent working in English, remote-ready, and based in the CET timezone.

EXPERIENCE

- SoftIT — Solution Deployment & Integration Engineer (GEFA Qmatic)

Jul 2024 – Jun 2026 · Cotonou

 - Integrated the Qmatic platform with third-party systems — ERP, CRM and relational databases — through **REST APIs** and web services.
 - Designed and configured business workflows, queue logic, rules and service scenarios tailored to each client environment.
 - Ran system and integration testing, go-live support and post-deployment maintenance across multiple production environments.
 - Diagnosed and resolved production issues, providing technical support and troubleshooting under live conditions.
 - Worked directly with client stakeholders to translate requirements into technical solutions and ensure successful delivery.
- EMESSARL — Software Engineer, Research & Development

Aug 2021 – Jun 2024 · Cotonou

 - Contributed to the statistical web platform of MTFP Benin as a fullstack developer — backend logic, database and interface — with **PHP, Laravel & MySQL**.
 - Researched and implemented TCP CUBIC congestion-control algorithms in **C & eBPF** on Linux, including implementation, instrumentation and testing.
 - Delivered a reusable C/eBPF library enabling applications to switch their network congestion algorithm dynamically at runtime.
 - Contributed to the MASM Benin PSI technical documentation.

SELECTED PROJECTS

- Network Congestion Control with eBPF

2022 · C, Bash, BPF

 - Coupled TCP congestion controllers over live connections using eBPF, shipped as a C library so a consuming app can adapt its congestion strategy on the fly.
- EOS — i386 Micro-kernel

2018 · C, Bash, NASM

 - A minimal i386 micro-kernel architecture built from scratch to master low-level systems and memory management.

SKILLS

LANGUAGES

PythonJavaScriptPHPSQLCJava

BACKEND & WEB

Python · FastAPIDjangoREST API designLaravelWeb services

ARCHITECTURE

MicroservicesDDD CQRS

FRONTEND

HTML5 / CSS3React.js

DATABASES

MySQLPostgreSQL

DEVOPS & TOOLING

DockerCI/CDGitGitHub ActionsLinux

INTEGRATION & SECURITY

ERP / CRM interfacingApplication integrationOWASP / Auth flows

EDUCATION

UAC Benin — EPACMaster's in Computer Science & EngineeringOct 2023

LEADERSHIP

OWASP — Cotonou ChapterChapter Leader · application-security community

LANGUAGES

- French — native
- English — professional working proficiency