

DEVSECOPS / CLOUD

LEMBOU PHAREL

DevOps | Backend Engineer | Application Security

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PROFESSIONAL PROFILE

DevSecOps and backend engineer building, deploying and securing web systems with Linux, Docker, Node.js and PostgreSQL. Combines practical infrastructure operations with API vulnerability research and security-aware cloud architecture.

ENGINEERING EXPERIENCE

Independent Developer & Security Researcher

2024 – Present | Yaoundé, Cameroon

- Build REST APIs with Node.js, Express.js and PostgreSQL; implement authentication and role-based workflows.
- Deploy Dockerized services on Linux VPS hosts with Nginx, Cloudflare, TLS and firewall controls.
- Troubleshoot networking, deployment configuration and service availability.
- Test API access controls and infrastructure exposure before and after deployment.

SELECTED DEPLOYMENT PROJECTS

CityLink | **Waste-management platform**

Node.js / Express / PostgreSQL / PostGIS / Docker

- Designed backend APIs and geospatial data models; containerized backend and database infrastructure.
- Implemented authentication and mapping integrations; designed offline synchronization for intermittent connectivity.

PayNow WA | **WhatsApp payments**

Node.js / PostgreSQL / Prisma / Docker / PWA

- Designed 20+ database models, authentication and transactional workflows for seller payments.
- Containerized PostgreSQL and built a lightweight PWA with WhatsApp integration and simple deployment in mind.

TECHNICAL TOOLKIT

Infrastructure

Linux / Ubuntu, VPS, Nginx, Cloudflare, DNS, UFW, TLS, Certbot

Containers & delivery

Docker, Docker Compose, Git / GitHub, environment configuration

Backend & data

Node.js, Express.js, PostgreSQL, PostGIS, Prisma, REST APIs, JWT

Operations

Networking, monitoring, troubleshooting, server hardening

SECURITY PERSPECTIVE

#1 in Cameroon

HackerOne Q3 2026 country leaderboard, web-application category.

API access control, infrastructure exposure and signing-system research.

CURRENTLY DEVELOPING

Kubernetes, Terraform, infrastructure as code, advanced AWS, cloud-native and CI/CD security.

FIND MY WORK

GitHub / lemboupharel

HackerOne / lembou

Medium / @pharellembou

Portfolio / pharel.dev

APPLIED SECURITY RESEARCH

HackerOne & HackenProof | 2026

Assess web applications, APIs and infrastructure; validate impact and communicate reproducible evidence through responsible disclosure.

Production telemetry & infrastructure exposure

Medium severity | Accepted / rewarded | $150

Identified an unauthenticated monitoring endpoint exposing production telemetry, internal API topology and deployment references. Documented impact with redacted evidence.

Object-level authorization / IDOR

Medium severity | Duplicate

Demonstrated that missing object-level access controls let a low-privileged account retrieve another user's internal profile metadata.

Remote signing interface

High severity | Duplicate

Traced an unauthenticated signing path in open-source validator infrastructure; reproduced and verified signatures locally using the project's cryptographic code.

SECURITY ENGINEERING PROJECT

MboaGuard

AI-native cybersecurity platform

- Designed agent-based assessment workflows for web, API and cloud-security analysis.
- Built the web platform; investigated automated reconnaissance and vulnerability validation.
- Designed evidence, reporting and continuous-assessment architecture.

CLOUD-SECURITY SPEAKING

AWS / Cloud Security

Polytechnique Yaoundé | 2026

Presented how application weaknesses can lead to cloud-infrastructure compromise, connecting web/API security with servers, containers, AWS identity and data services.

Topics: IAM, S3, EC2, RDS, CloudTrail, GuardDuty, Security Hub, least privilege and defense in depth.

CLOUD ARCHITECTURE

Practical architecture knowledge

Service foundations

DNS, CDN, object storage, load balancers, virtual machines, managed databases, WAF

Security controls

Identity and access management, secrets, least privilege, network segmentation, logging and monitoring

Cross-layer analysis

Application → API → server → container → cloud identity → cloud resource

RESEARCH TRACK RECORD

7+

Real-world-impact vulnerabilities reported through HackerOne.

82 points

HackenProof reputation, with six security findings/reports.

Research includes JWT, CORS, replay behavior, origin exposure and smart-contract upgrade safety.

EDUCATION

University of Yaoundé I

Computer Science / Informatics
Undergraduate studies
Yaoundé, Cameroon

LANGUAGES

French / Native, fluent
English / Professional, fluent