

Victor Kangombe

Backend Engineer · Java · Node.js · DevOps & Infrastructure

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ABOUT ME

Backend Developer focused on scalable REST APIs, server-side architecture, and containerized infrastructure. Experienced with Java (Spring Boot) and Node.js (NestJS), applying JWT authentication, Redis caching, and real-time communication. Enthusiast of cybersecurity, DevOps, and observability.

TECHNICAL SKILLS

Languages

Java · TypeScript / JavaScript · Python · C / C++ · SQL

Frameworks & ORMs

Spring Boot · Hibernate / JPA · NestJS · Express · Prisma ORM

Infrastructure & DevOps

Docker · Docker Compose · NGINX · Linux CLI

Databases & Tools

PostgreSQL · MySQL · Redis · Git · GitHub

EDUCATION

42 Luanda — Computer Science

Software Engineering (Common Core) + DevOps & Security (Advanced) · Luanda

2024 – present

ISPTEC — Computer Engineering (B.Sc.)

Instituto Superior Politécnico de Tecnologias e Ciências · Luanda

2022 – present

PROJECTS

Black Hole Academy

2026

Educational Web Platform — Backend & Infrastructure

- REST APIs with Java 17 & Spring Boot, JWT authentication, and containerized infra with Docker and NGINX
- Modular services with data persistence, real-time features, WAF security layer, and observability (metrics & monitoring)

Stack: Java 17 · Spring Boot · PostgreSQL · Docker · NGINX

Cesta Digital

2026

Donation Platform — Backend

- Authentication, real-time campaign tracking, Redis caching, and monitoring — orchestrated with Docker Compose

Stack: NestJS · Prisma · Redis · JWT

Inception

2025

Containerized Infrastructure Orchestration

- NGINX, WordPress, and MariaDB in isolated Docker containers with custom networking and reverse proxy configuration

Stack: Docker · NGINX · MariaDB · Docker Compose

Accessible Tourism Map

2025

Web Platform with Interactive Map & KPI Dashboard

- Flask API serving geo-data with accessibility filters and KPI dashboards via Folium / Leaflet

Stack: Python · Flask · Folium · Leaflet · github.com/leonel-the13/MTA

HTTP Webserver

2025

Systems Programming — HTTP/1.1 Engine from scratch

- Manual request parsing, raw sockets, and typed responses — fully HTTP/1.1 compliant

Stack: C++ 98 · Raw Sockets · HTTP/1.1

HACKATHONS & AWARDS

1st — Hackathon OSTJA · National · 2026 · Team

2nd — Africell Code Fast · National · 2025 · Solo

3rd — NASA Space Apps

Challenge · National · 2025 · Team

3rd — ISPTEC Programming

Competition · University · 2023 · Team

LANGUAGES

Portuguese — Native

English — Advanced