

Thierry NgangoUm

Senior Backend Engineer | AI Systems Developer

Location: Dubai, UAE

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Professional Summary

Senior Python Backend Developer and AI Engineer with over 5 years of experience designing scalable backend architectures and intelligent automation platforms.

Specialized in Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), and AI agent orchestration using LangChain, LangGraph, and LangSmith.

Strong expertise in Django backend development, cloud infrastructure, CI/CD pipelines, and production deployment of AI-driven systems.

Core Skills

Python

Django

Django REST Framework

LangChain

LangGraph

LangSmith

RAG Architectures

AI Agents

OpenClaw

n8n Automation

AWS

Docker

CI/CD Pipelines

PostgreSQL

MySQL

Professional Experience

AI & LLM Systems Engineer

2025 — Present | Dubai, United Arab Emirates

- Design and develop AI-powered applications integrating Large Language Models into enterprise platforms.
- Build Retrieval-Augmented Generation (RAG) architectures using vector search and embeddings.
- Implement multi-agent orchestration using LangGraph.
- Use LangSmith for observability, tracing, and prompt evaluation.
- Develop AI voice and chatbot systems using OpenClaw.
- Deploy scalable backend services with Django and Docker.
- Manage CI/CD pipelines and AWS cloud infrastructure.

Senior Backend Python Developer

2020 — 2025 | TELES GROUP SARL | KmerTech • Douala, Cameroon

- Designed scalable backend architectures using Django and DRF.
- Developed high-performance REST APIs.
- Built automation systems using n8n workflows.
- Integrated AI services and LLM-based modules into backend systems.
- Optimized PostgreSQL and MySQL databases.
- Managed Docker deployments and CI/CD workflows.
- Maintained AWS cloud infrastructure.

Education

Bachelor Degree in Software Engineering

2023 | Dale Kietzman University • Cameroon

Bachelor's Degree in Software Engineering with a strong foundation in software architecture, algorithms, databases, distributed systems, web and mobile application development, artificial intelligence, and software engineering best practices.

Certifications

LangChain Certification

Advanced AI application development using LangChain, RAG systems, agents, tools, and LLM orchestration.

n8n Automation Certification

Workflow automation, API orchestration, integrations, and enterprise automation using n8n.

AWS Cloud Practitioner

Cloud infrastructure, deployment, scalability, and AWS services management.

Languages

French: Fluent

English: Professional