Stephane KPOVIESSI

Freelance AI Engineer

Micro-entrepreneur • Available for freelance missions

AI Agents • RAG • Automation

Designing AI agents, RAG systems and automations that integrate into business environments.

Contact

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seshat-ai.com
github.com/KPO-Tech

Services

AI scoping & use cases
Processes, AI opportunities, prioritization, pilot scoping.

AI agents
Orchestration, tool calling, MCP, human-in-the-loop.

RAG & Knowledge
Ingestion, embeddings, vector databases, hybrid search.

Automation
APIs, internal tools, scheduled tasks, business workflows.

Stack

AI & Agents
LLM, RAG, LangGraph, MCP, Tool Calling.

Backend & Data
Python, Go, FastAPI, PostgreSQL, pgvector, PySpark.

Cloud & Engineering
Azure, Databricks, Airflow, Docker, Git/CI-CD.

Frontend
React, Electron.

Education

JUNIA ISEN Lille
Engineering degree - Big Data & Data Science, 2026.

JUNIA ISEN Rabat
Bachelor's degree - Electronics & Digital Systems, 2023.

CPMS
Mathematics, Physics and Engineering Sciences, 2020 - 2022.

Certifications

Microsoft AI Engineer Career Path
Microsoft Learn • **In progress**

Create ML Models in Microsoft Azure
Microsoft / Coursera • 2023

Supervised ML: Regression & Classification
DeepLearning.AI / Stanford Online 2023

Languages

French - native
English - B2, Linguaskill Business

AI Engineering & Automation

I help companies automate recurring tasks and make internal documents easier to use through AI agents, RAG systems and API integrations. My approach covers use-case scoping, a testable prototype and integration into business workflows, with controls over agent actions.

Business process -> Opportunity -> POC / Solution -> Integration

Seshat

Founder & AI Engineer — Sept. 2026 - Present

Open-source agentic AI and automation platform

seshat-ai.com • github.com/KPO-Tech/seshat

- Designed an embeddable Go agent runtime with SDK and gRPC API to integrate local models and multiple LLM providers into applications.
- Automated tasks through parallel sub-agents and MCP tools, with permissions and human approval to control their actions.
- Built a document pipeline combining ingestion, hybrid retrieval and source-backed answers to make documents usable by agents.

Experience

Allianz France - Data Engineer / Data Scientist — Nov. 2025 - Apr. 2026

Paris, France

- Modernized an insurance datamart: analyzed 15,000+ lines of SAS and migrated processing to Python/PySpark on Azure Databricks, with 150+ business rules in a Medallion architecture.
- Achieved a **speedup of over 8× on the measured workflow** after migration from SAS to Azure Databricks, with identical memory capacity.
- Validated business indicators through geospatial data quality checks and automated SAS/Python parity and regression tests.

LYNE ET FRERES SARL - Data Analyst — 2023 - 2025

Strategic support assignments - Benin / Remote

- Automated internal activities by deploying open-source AI tools, including OpenWebUI, and supporting user onboarding.
- Developed Python/Pandas and Streamlit reports and dashboards to track commercial and operational data.

Groupe Sylvagreg - Machine Learning Engineer — May 2024 - Aug. 2024

Lille, France

Developed an experimental 3D reconstruction solution from 2D images using photogrammetry and PyTorch generative models. Automated preprocessing and inference; deployed with AWS/Docker and a visualization interface to test and inspect reconstructions.

github.com/EngineerProjects/Sylva3dGUI • github.com/EngineerProjects/sylva3D

Selected Projects

TECH WATCH AGENT - LangGraph, RAG, FastAPI, pgvector, Docker
Automated technology monitoring with LangGraph agents: research planning, multi-source collection and source-backed summaries, with pgvector memory and execution tracking APIs.
github.com/EngineerProjects/tech-watch-agent

BI RETAIL SOLUTION - PySpark, Airflow, PostgreSQL, Power BI, Docker
Built a sales and supply-chain reporting pipeline: PySpark transformations orchestrated by Airflow, a PostgreSQL warehouse and Power BI dashboards to track sales and product trends.
github.com/EngineerProjects/BI_Retail