

Tailored Resume

Esaïe Alain- Emmanuel KOUPOH

Visionary Project Manager & AI/Data Leader

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PROFILE

A dynamic and results-driven **Project Manager and AI/Data Leader** with over 6 years of experience orchestrating large-scale digital transformation initiatives, AI product development, and capacity building programs across Africa. Proven expertise in leading multidisciplinary teams, managing complex project lifecycles, and delivering cutting-edge technological solutions. Adept at strategic stakeholder engagement and resource optimization to drive significant impact. Passionate about leveraging innovative technology to preserve, promote, and advance African cultural identity and heritage, building a lasting legacy through visionary project execution.

PROFESSIONALEXPERIENCE

Project Manager Consultant - Data & AI | Orange Côte d'Ivoire

11/2024 – Present | Côte d'Ivoire

Piloted the Agile implementation of 4 mission-critical data-driven solutions, enhancing operational efficiency and customer experience across Orange's services.

Coordinated cross-functional teams, optimizing development processes and ensuring a **97% on-time delivery rate** for crucial tools, including:

REMO: Real-time distribution performance monitoring platform.

Infoview: AI-powered claims data validation system.

Homologation: Machine Learning system for customer enrollment data verification.

Tracking Kit: SIM card inventory optimization and distribution tracking.

Architected a domain-oriented Data Mesh model, significantly enhancing self-service analytics and fostering cross-functional agility across multiple business units.

Mentored technical teams and streamlined workflows, driving continuous improvement and innovation.

Lead Data Scientist & Data Product Manager | Data354

09/2024 – Present | Côte d'Ivoire

Directed the end-to-end development and deployment of 4 innovative AI/ML/LLM-powered decision-support systems and products, delivering real-world impact.

Managed Agile sprints and coordinated technical teams to deliver advanced solutions, leveraging Python3, SQL, OpenAI, Azure, GCP, LangChain, DB & Vector Stores.

Key project leadership and deliverables include:

Contract Conformity Analysis: Orchestrated the development of an AI (LLMs) solution to verify contract compliance, reducing legal risks and ensuring alignment with standards.

TaxiFlow: Led the implementation of an ML model to predict hourly demand and optimize driver scheduling for efficient coverage and resource allocation.

Avia: Directed the creation of a voice-enabled AI assistant for proactive cardiovascular care, improving patient monitoring and treatment adherence through regular phone interactions.

Alia: Delivered an RAG-powered system to understand legal queries, identify relevant sources, and provide actionable responses from a structured legal corpus, enhancing research efficiency.

Head of Data Science Academy | German Institute of Business and Technology (GIBT)

08/2023 – 05/2024 | Senegal

Led strategic direction and operations for continent-wide data science training programs, successfully scaling impact to over **700 + trainees** as Senior Trainer.

Managed comprehensive stakeholder engagement, including financial reporting and KPI tracking for program success and transparent resource utilization.

Directed cross-departmental collaboration, optimizing marketing and delivery strategies for large-scale educational initiatives and achieving program objectives.

Fostered team leadership and professional development across a multidisciplinary training staff.

Data Science Program Lead | German Institute of Business and Technology (GIBT)

08/2022 – 07/2023 | Senegal

Designed and implemented cutting-edge Machine Learning and Software Engineering curricula for **500 + students and professionals** across diverse African markets.

Orchestrated cross-functional operations, ensuring seamless program delivery, high learner satisfaction, and effective resource management.

Served as Senior Trainer, delivering impactful lectures and practical sessions in advanced tech topics.

AI Software Engineer | Baamtu Datamation

12/2020 – 07/2022 | Dakar, Senegal

Engineered and deployed impactful AI/ML solutions, including full lifecycle development of projects solving real-world

challenges .

Managed the creation and processing of a **Wolof NLP Dataset Pipeline**, contributing to the preservation and digital advancement of African languages .

Developed automated OCR systems (Ganeyi MRZ OCR, Wakanda Form OCR API) for ID/passport data extraction and structured signup form data .

Streamlined insurance ticket handling by **automating email processing**, improving operational efficiency .

EDUCATION

Master of Artificial Intelligence (Night course) | Dakar Institute of Technology

01/2022 – Present | Dakar, Senegal

Bachelor in Computer Science | Ecole Supérieure Africaine des TIC (ESATIO)

2016 – 2019 | Abidjan, Côte d'Ivoire

Majors: IT Systems & Software Engineering .

SKILLS

Project Management & Strategic Leadership : Proficient in end-to-end project execution using Agile methodologies .

Expertise in resource planning , risk management , and cultivating high-performing multidisciplinary teams . Proven track record of strategic stakeholder engagement , ensuring alignment with project goals and delivering quantifiable outcomes for initiatives with significant financial scope , aligning with multi-billion FCFA project requirements .

AI, Data & Cloud Mastery : Advanced proficiency in developing and deploying AI/ML/LLM models , data pipelines , and cloud-native solutions (Azure, GCP, AWS) . Strong command of Python , SQL, OpenAI, LangChain, and big data technologies .

Collaboration & Cultural Impact : Adept at fostering collaborative partnerships with diverse stakeholders , including academic institutions , NGOs, and tech firms (e.g., UNESCO, ANSUT) . Deep passion for leveraging technology to preserve , promote , and innovate around African cultural identity and heritage .

Technical Stack : Python3 , SQL, OpenAI, Azure, GCP, LangChain, DB & Vector Stores, Streamlit , Docker, Jira, MS Office , Power BI, PostgreSQL, PyTorch, Keras, FastAPI, Git, Pandas, Scikit-learn, HuggingFace , Gradio, Thinkific .

LANGUAGES

French: Native

English: Fluent (Duolingo English Test certified)

CERTIFICATES& ORGANIZATIONS

NVIDIA Deep Learning Institute : Deep Learning Instructor (2022 – Present) – Delivering Deep Learning Fundamentals workshops for academia .

Zindi: Volunteer Country Ambassador for Senegal (2021 – Present) – Driving data science growth by connecting talent with skill-building competitions , fostering industry partnerships , and organizing community events .

Applied AI with DeepLearning (IBM)

Full Stack Data Science Training (VIVADATAParis)