Tailored Resume

Esaïe Alain-Emmanuel KOUPOH

Visionary Project Manager | AI & Data Leader

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PROFILE

Highly accomplished and visionary Project Manager with over 6 years of experience orchestrating complex, multidisciplinary projects, specializing in AI, data, and digital transformation. Proven expertise in strategic leadership, deploying cutting-edge digital platforms, and delivering revolutionary AI models, consistently achieving high-impact results. Passionate about leveraging technology to preserve and enhance African cultural heritage, I am adept at coordinating diverse teams, managing key stakeholders, and driving innovation to build a lasting legacy.

PROFESSIONALEXPERIENCE

Project Manager Consultant - Data & AI

Orange Côte d'Ivoire | Abidjan, Côte d'Ivoire

November 2024 – Present

Spearheaded Agile implementation for critical data-driven solutions and decision-support systems, ensuring high-quality, on-time delivery for an enterprise environment.

Coordinated cross-functional teams to develop and deploy key digital platforms, including:

REMO: Real-time distribution performance monitoring platform, optimizing operational efficiency.

Infoview: AI-powered claims data validation system, enhancing accuracy and reducing processing time.

Homologation: Machine Learning system for customer enrollment data verification, improving data integrity.

Tracking Kit: SIM card inventory optimization and distribution tracking system, streamlining logistics.

Architected a robust Data Mesh, fostering domain-oriented data ownership, enabling self-service analytics, and enhancing cross-functional agility across departments.

Optimized core business processes and mentored junior team members, fostering a culture of innovation and high performance.

Achieved **97% on-time delivery** of mission-critical tools, significantly contributing to strategic objectives.

Lead Data Scientist & Data Product Manager

Data354 | Côte d'Ivoire

September 2024 – Present

Led the full lifecycle implementation of advanced Machine Learning (ML) and Large Language Model (LLM) products, delivering innovative decision-support systems.

Drove the development of high-impact AI/ML solutions, including:

Contract Conformity Analysis: Utilized AI (LLMs) to verify contract compliance, ensuring alignment with legal standards and reducing risk.

TaxiFlow: Leveraged ML to predict hourly demand and optimize driver scheduling, enhancing operational efficiency and customer satisfaction.

Avia: Developed a voice-enabled AI assistant for proactive cardiovascular care, monitoring blood pressure, treatment adherence, and symptoms through regular phone interactions.

Alia: Implemented RAG (Retrieval Augmented Generation) to interpret legal queries, identify relevant sources, and provide actionable responses from a structured legal corpus.

Pioneered Agile methodologies in the development and deployment of data-driven solutions, enhancing team collaboration and project responsiveness.

Head of Data Science Academy

German Institute of Business and Technology (GIBT) | Remote

August 2023 – May 2024

Orchestrated continent-wide data science training programs, scaling impact to empower **700+ trainees** as a Senior Trainer.

Provided strategic team leadership and development, fostering a high-performing educational environment.

Managed key stakeholders, overseeing financial reporting and KPI tracking to ensure program success and transparency.

Drove cross-department collaboration to optimize marketing strategies and program delivery.

Data Science Program Lead - Senegal

German Institute of Business and Technology (GIBT) | Dakar, Senegal

August 2022 – July 2023

Led Azubi Africa's technology training programs, empowering **500+ students and professionals** in Software Engineering and Machine Learning.

Designed comprehensive curricula and delivered engaging lectures as a Senior Trainer, fostering deep technical understanding.

Optimized cross-functional operations to ensure seamless program execution and participant success.

AI Software Engineer (Full-time)

Baamtu Datamation | Dakar, Senegal

December 2020 – July 2022

Developed and deployed impactful AI/ML solutions addressing real-world challenges, demonstrating strong technical proficiency.

Key projects included:

Wolof NLP Dataset Pipeline: Collected and processed language data, contributing to the development of African language technologies.

Ganeyi MRZ OCR: Automated ID/passport data extraction, improving efficiency and accuracy.

Wakanda Form OCR API: Structured signup form data, streamlining digital processes.

Email Automation Tool: Optimized insurance ticket handling, significantly reducing manual effort.

Machine Learning & CS Instructor (Part-time)

Dakar Institute of Technology - DIT | Dakar, Senegal

January 2020 – Present

Mentored and educated over **100 learners** in advanced Computer Science, Software Engineering, Data Science, and Machine Learning concepts.

Taught critical topics including Deep Learning (TensorFlow, Keras, PyTorch), Big Data & Cloud Computing (AWS, GCP), and Software Engineering & DevOps (Git, Docker, CI/CD).

EDUCATION

Master of Artificial Intelligence (Night course)

Dakar Institute of Technology | Dakar, Senegal

January 2022 – Present

Bachelor in Computer Science

Ecole Supérieure Africaine des TIC - ESATIC | Abidjan, Côte d'Ivoire

2016 – 2019

Majors: IT Systems & Software Engineering.

High School Degree

Collège Reference de Sinfra | Sinfra, Côte d'Ivoire

2016

Majors: Mathematics, Physics, Chemistry, Biology.

SKILLS

Project Leadership & Management : Strategic Planning, Agile Methodologies (Scrum, Kanban), Cross-Functional Team Leadership, Multidisciplinary Coordination, Stakeholder Management, Resource Planning, Risk Management, Budget Oversight (financial reporting & KPIs), End-to-End Project Execution, Change Management, Quality Assurance, 97% On-Time Delivery.

AI & Data Innovation: Machine Learning (ML), Deep Learning (DL), Large Language Models (LLMs), Generative AI (RAG), Natural Language Processing (NLP), Data Science, Data Product Management, Data Architecture, Data Mesh, AI/ML Model Deployment, Decision Support Systems, Predictive Analytics.

Technical Expertise : Python (Advanced), SQL, OpenAI API, Azure, Google Cloud Platform (GCP), AWS (SageMaker, S3, EC2), LangChain, PyTorch, TensorFlow, Keras, Scikit-learn, Pandas, NumPy, FastAPI, Docker, Streamlit, Jira, Power BI, PostgreSQL, MongoDB.

Cultural & Educational Impact : Passion for African Culture and Heritage, Curriculum Design, Technical Training & Mentorship (700+ professionals), Community Building, Innovation in Education.

LANGUAGES

French: Native

English: Fluent

CERTIFICATES

Applied AI with DeepLearning (IBM)

Full Stack Data Science Training (VIVADATAParis)

Duolingo English Test (English proficiency)

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 within the African tech ecosystem.

TECHNICAL POC PROJECTS

Predicting Customer Churn (2020): Developed an ML model to predict customer churn for Expresso Senegal, enhancing customer retention strategies.

Estimated Time for Arrival Hackathon (2019): Built an ML model to accurately estimate ETA for motorbike deliveries in Nairobi, optimizing logistics.

Detection of Swollen Shoot by Drone (2019): Designed a drone-embedded ML model for high-accuracy detection of Swollen Shoot symptoms in orchards, aiding agricultural sustainability.