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Tailored Resume

**Esaïe Alain-Emmanuel KOUPOH**

Visionary Project Manager & AI/Data Leader

Abidjan, Côte d'Ivoire (Relocation Available)

emmanuelkoupoh@gmail.com | +2250720696235

## PROFILE

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**Visionary Project Manager and AI/Data Leader** with 6+ years of experience piloting large-scale digital and AI initiatives across West Africa. Proven expertise in leading multidisciplinary teams, deploying cutting-edge digital platforms, and delivering revolutionary AI models from concept to successful implementation.

A results-driven "chef d'orchestre" known for strategic leadership, effective stakeholder collaboration, and optimizing processes to achieve impactful outcomes. Passionate about leveraging technology to preserve cultural heritage and build a lasting legacy, directly aligning with YiRI's mission of transforming traditional knowledge with digital innovation. Adept at navigating complex project landscapes and fostering cross-functional agility.

## PROFESSIONAL EXPERIENCE

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### **Project Manager Consultant - Data & AI**

*Orange Côte d'Ivoire | Abidjan, Côte d'Ivoire | 11/2024 – Present*

- **Piloted the Agile implementation** of critical decision-support systems and data-driven solutions across diverse business units, demonstrating strategic project leadership.
- Coordinated multidisciplinary teams to deliver key digital platforms, including:
  - REMO:** A real-time distribution performance monitoring platform.
  - Infoview:** An AI-powered claims data validation system.
  - Homologation:** An ML system for automated customer enrollment data verification.
  - Tracking Kit:** Optimized SIM card inventory management and distribution tracking.
- **Architected and deployed a Data Mesh model**, enabling domain-oriented data ownership, fostering self-service analytics, and enhancing cross-functional agility.
- Optimized operational processes and mentored cross-functional teams, ensuring efficient resource utilization.
- Achieved a **97% on-time delivery rate** for mission-critical tools, ensuring project deadlines were consistently met with high quality.

### **Lead Data Scientist & Data Product Manager**

*Data354 | Côte d'Ivoire | 09/2024 – Present*

- **Led Agile implementation and deployment** of advanced ML and LLM-powered decision-support systems and data products with real-world impact.
- Oversaw the development and delivery of cutting-edge AI solutions, including:
  - Contract Conformity Analysis:** Leveraged AI (LLMs) to verify contract compliance, ensuring alignment with legal standards and regulatory requirements.

**TaxiFlow:** Deployed ML models to predict hourly demand and optimize driver scheduling, enhancing operational efficiency.

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

**Alia:** Utilized Retrieval Augmented Generation (RAG) to understand legal queries, identify relevant sources, and provide actionable, professional legal responses.

- Managed the full product lifecycle, from conceptualization to deployment, ensuring technical excellence and strategic alignment.
- Coordinated technical teams and stakeholders, driving innovation in AI product development.

## Head of Data Science Academy

*German Institute of Business and Technology (GIBT) | 08/2023 – 05/2024*

- **Led continent-wide data science training programs**, significantly scaling impact as Senior Trainer to empower **700+ trainees** in cutting-edge technology.
- Demonstrated inspiring leadership by managing and developing a team of trainers and curriculum developers.
- Managed key stakeholders, overseeing financial reporting and KPI tracking to ensure program success and transparency.
- Fostered cross-departmental collaboration for optimized marketing strategies and efficient program delivery, utilizing Kanban and Agile methodologies.

## Data Science Program Lead - Senegal

*German Institute of Business and Technology (GIBT) | 08/2022 – 07/2023*

- Directed tech training programs for **500+ students & professionals** in Software Engineering & Machine Learning.
- Designed comprehensive curriculum and delivered lectures as a Senior Trainer, demonstrating deep technical expertise and mentorship abilities.
- Optimized cross-functional operations to ensure seamless program execution and participant success.

## AI Software Engineer (Full-time)

*Baamtu Datamation | Dakar, Senegal | 12/2020 – 07/2022*

- Built and deployed AI/ML solutions addressing real-world challenges, contributing to digital innovation.
- Key projects included:

**Wolof NLP Dataset Pipeline:** Collected and processed language data, directly contributing to the preservation and digitization of African cultural knowledge.

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

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

**Email Automation Tool:** Streamlined insurance ticket handling, improving operational efficiency.

## EDUCATION

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### Master of Artificial Intelligence

*Dakar Institute of Technology | 01/2022 – Present*

### Bachelor in Computer Science

## **High School Degree**

*Collège Référence de Sinfra | Sinfra, Côte d'Ivoire | 2016*

*Majors: Mathematics, Physics, Chemistry, Biology*

## **SKILLS**

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### **Strategic Project Leadership & Management**

- End-to-end project execution (Agile & Scrum)
- Multidisciplinary Team Coordination & Mentorship
- Stakeholder Management & External Collaboration (e.g., academic, governmental, private sector partners)
- Resource Planning & Optimization
- Risk Management & Mitigation
- Driving Project Impact & Transparency

### **Advanced AI, Data & Cloud Expertise**

- AI/ML/LLM Development & Deployment (Scikit-learn, PyTorch, TensorFlow, LangChain, OpenAI)
- Data/Cloud Platforms (Azure, GCP, AWS)
- Python (App & API Development)
- Data Engineering & Architecture (Data Mesh)
- Data Analysis & Visualization (SQL, Power BI, PostgreSQL)

### **Leadership & Visionary Skills**

- Inspiring Leadership & Team Development
- Strategic Vision & Innovation Deployment
- Cross-functional Collaboration & Communication
- Problem-Solving & Decision Making
- Passion for African Culture, Education & Technology Integration

## **LANGUAGES**

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- **French:** Native
- **English:** Fluent

## **CERTIFICATES**

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- Applied AI with DeepLearning (IBM)
- Full Stack Data Science Training (VIVADATAParis)
- Duolingo English Test (English proficiency)

## **ORGANISATIONS**

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### **NVIDIA Deep Learning Institute**

*Deep Learning Instructor | 2022 – Present*

- Delivering Deep Learning Fundamentals workshops for academia, fostering advanced tech skills.

## **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.

## **TECHNICAL POC PROJECTS**

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- **Predicting Customer Churn (2020):** Developed an ML model to predict customer churn for Espresso Senegal, enhancing business retention strategies.
- **Estimated Time for Arrival Hackathon (2019):** Built an ML model to estimate the time of arrival (ETA) for motorbike deliveries in Nairobi, optimizing logistics.
- **Detection of Swollen Shoot by Drone (2019):** Developed a drone-embedded ML model to detect Swollen Shoot symptoms with high accuracy in orchards, supporting agricultural innovation.