JEAN-PAUL DE MARIE KYOKYA KALULU

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Qualifications Summary

Backend-focused Software Engineer with hands-on, full stack, experience building and scaling a drone-powered, data-driven platform through my own startup. Currently leading the development of a feedback analytics system powered by AI, supporting tactical decision-making in sports. Proven collaborator in agile teams (4–7 members), with strong written and verbal communication skills for updating stakeholders, writing technical reports, and managing project expectations.

Language Proficiency

- **English, French, Kiswahili**: Very Fluent
- **Lingala**: Fluent

Work Experience

- **Volunteer Language interpreter** (2022)
  Broke the language barrier for a French speaking nation in the 10th All-Africa University Games hosted by Kenya, in Kenyatta University where I was enrolled.
- **Freelance work** (2023 - now)
  Collaborated with employers from Europe (Belgium, Switzerland and France) on social media content creation through Scriptwriting, as well as Multilingual audio transcription and translation projects.
- **ALX Specialization project** (2024)
  Lead a team of 4 to ensure effective communication and planning for the Web development project.
- **Futtech Venture** (2025)
  Negotiated with, and convinced, 5 investors to sponsor manufacture of a Drone.

Education

- **Kenyatta University** – B.Sc. in Electrical and Electronics Engineering (2018 – 2023)

Certifications

- ALX Software Engineering Program, **ALX Africa** (Nov. 2023 – Feb. 2025)

- ALX AI Starter Kit Program, **ALX Africa** (3rd Feb. 2025 – 11th March. 2025)

Proof of Work Projects

- **<u>Everything-IoT</u>** (2024)
  An end-to-end IoT project focusing on Embedded Systems. This includes backend development, dynamic web content using Flask, and static resources management.
  Technologies Used: Python, Flask, SQL, HTML, and JavaScript.
  Key Contributions: Developed API endpoints and implemented responsive web interfaces for IoT data display.
  Blog Post: Medium Link here.

Technical Skills

- **Programming Languages**: Python, C, Shell Scripting, SQL, HTML/CSS, JavaScript
- **Tools & Platforms**: Emacs, Git/GitHub, Linux, MySQL, JSON, MongoDB, Express, React, Node JS, Unit Testing
- **DevOps & Systems**: Systems Engineering, DevOps, CI/CD pipelines
- **Additional Skills**: API Integration, Agile methodologies & Agile Development