

JEAN-PAUL DE MARIE KYOKYA KALULU

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Qualifications Summary

Backend-focused Software Engineer with hands-on 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.

Education

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

- ALX Software Engineering, **ALX Africa** (Nov. 2023 – Jan. 2025)
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Proof of Work Projects

- **Everything-IoT** (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](#).
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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.
 - “Managed stakeholder communication to ensure delivery food aid to flood-affected areas in [location].”
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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
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Language Proficiency

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