**Stephen Jason Alando**

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**Professional Summary**

Passionate Computer Science student with a strong foundation in **data engineering**, software development, and cloud computing. Proficient in **Java, Python**, and database technologies. Seeking an attachment at **Swahilipot Hub Foundation** to enhance technical expertise and contribute to innovative data-driven solutions.

**Education**

**Bachelor of Science in Computer Science**  
*Kisii University* | Expected Graduation: **April 2026**

**Skills**

* **Programming:** Java, Python
* **Databases:** MySQL, MongoDB
* **Data Engineering Tools:** Apache Kafka, Apache Spark, Hadoop
* **Cloud Platforms:** Google Cloud (BigQuery, Cloud Storage), AWS (S3, RDS, Lambda)
* **Frameworks:** Flask, FastAPI, Spring Boot
* **Other Tools:** Docker, Kubernetes, CI/CD (Jenkins, GitHub Actions)

**Projects**

* **Hospital Management System** – Designed a scalable database system for hospital records, implementing optimized queries for patient management.
* **Real-Time Data Pipeline for E-Commerce** – Built an ETL pipeline using Apache Kafka and Spark to process streaming data from an online marketplace.
* **Cloud-Based Inventory Management System** – Developed a database-backed system deployed on Google Cloud for tracking warehouse stock in real time.
* Designed and optimized **database architectures** .
* Built and maintained **ETL pipelines** to process large datasets efficiently.
* Integrated **cloud-based storage** and database solutions for businesses.
* Automated data workflows using **Python, SQL, and cloud functions**.

**Extracurricular Activities**

* **Huawei ICT Competition** – Participated in a cloud computing and networking challenge.
* **Flutter Hackathon** – Built an innovative cross-platform mobile application using Firebase and Flutter.