Feb 10, 2025

To: The Hiring Team
Safaricom PLC
RE: Application for Data Engineering Internship Position

I am excited to apply for the **Data Engineering Internship** at **Safaricom PLC**. With a **Bachelor's Degree in Computer Science (2023 graduate)** and over **two years of experience in software development**, I have honed my skills in **data engineering, backend development, and scalable system design**. My expertise spans **Python (Django), Java, JavaScript, SQL, and frameworks such as React, Express (MERN stack), and Next.js**. I am particularly passionate about working with **large datasets, optimizing data pipelines, and leveraging cloud technologies** to drive efficient and reliable data solutions.

My experience in **backend development** has equipped me with a strong foundation in **ETL (Extract, Transform, Load) processes, data modeling, and database management**. I have built secure APIs, optimized database performance, and worked with **SQL and NoSQL databases** to ensure seamless data flow between applications. While I haven't extensively worked with **Apache Spark or Hadoop**, my solid grasp of **data structures, algorithms, and object-oriented programming** allows me to **quickly learn and adapt** to new technologies.

In my professional journey, I have collaborated on **Agile teams**, utilizing **Git/GitHub for version control**, and have contributed to projects requiring **cloud deployment, containerization (Docker), and serverless architectures**. My experience at **FrontDoor Kenya** involved managing **CMS platforms and implementing SEO strategies**, showcasing my ability to balance **technical precision with business impact**. At **Cody Developers**, I contributed to building **secure authentication systems (JWT, OAuth)** while ensuring **scalability and data integrity**.

My portfolio, available at **mumo.vercel.app**, along with my **GitHub (james-mumo)**, showcases a diverse range of projects, including **data-driven applications and real-time analytics dashboards**. These experiences have refined my **problem-solving and analytical thinking skills**, preparing me to tackle real-world data engineering challenges.

I am eager to contribute my **technical expertise, adaptability, and passion for data-driven solutions** to **Safaricom's Data Engineering Team**. I look forward to the opportunity to learn from industry experts and apply my skills to meaningful projects.

Sincerely,
James Mumo