(+254) 759008773 Portfolio: https://www.theaibunny.com/

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Fredrick Waihenya

SKILLS

Python, Go, Typescript, Django rest framework, Flask, FastAPI, Gin, Node(express), LLM, LangChain, DBT, Big Query, Apache superset, Apache Airflow, Apache Kafka, Docker, Kubernetes, AWS, GCP, DO, MySQL, PSQL, Restful API, GraphQL, WebSockets, Celery, Redis

EXPERIENCE

Crafted Systems, **Nairobi, KE -** *Data/Analytics Engineer*

JANUARY 2024 - PRESENT

- Engineering end-to-end data pipelines that are playing a pivotal role in the design and development of our proprietary software application's data architecture, ensuring efficient data flow and analytics capabilities that support over 20 organizations.
- Proficiently modeled data using dbt to create efficient and maintainable data transformations, contributing to a 15% improvement in data accuracy and a 10% reduction in data processing time.
- Leveraging Superset as our analytics tool, empowering multiple organizations with intuitive and interactive dashboards for data exploration and visualization, resulting in a 25% increase in user engagement and a 20% improvement in decision-making based on real-time insights.

Hasibu Systems, **Nairobi, KE -** *Backend Engineer*

JULY 2023 - JULY 2024

- Pioneered the design and development of the company's proprietary software application's backend infrastructure, optimizing services for 300+ businesses.
- Implemented Apache kafka for asynchronous task execution, reducing processing bottlenecks and improving overall system responsiveness by 20%.
- Orchestrated the deployment of a Redis caching layer, leading to a 30% reduction in database query times and enhancing system scalability.
- Spearheaded the adoption of microservices architecture, resulting in a modular and scalable system design, improving development speed by 15%.

Clickbanx Limited, Nairobi, KE— *Software Engineer*

MARCH 2023 - PRESENT

- Integrated multiple payment gateways, improving transaction reliability and reducing processing times by 25%, resulting in a 15% increase in successful transactions.
- Implemented Celery for background job processing, optimizing resource utilization and improving system performance during peak loads, resulting in a 20% reduction in task completion times.
- Established and enforced rigorous security protocols, safeguarding user data and leading to a 40% decrease in security incidents.
- Championed a cross-functional training program, improving team members' proficiency in new technologies and resulting in a 20% boost in overall team productivity.

Ohospital, Delaware, USA— *Software Developer/Devops*

JUN 2023 - JUN 2024

- Engineered microservices, enhancing video call functionality and LLMs, leading to a 25% improvement in user engagement.
- Orchestrated Docker and Kubernetes deployment, resulting in a 30% increase in scalability and a 20% reduction in resource overhead.
- Maintained AWS infrastructure, achieving 99.99% availability and ensuring compliance with security standards.
- Spearheaded CI/CD pipeline implementation, reducing deployment times by 40% and accelerating feature delivery.
- Implemented monitoring solutions, reducing system downtime by 15% and enhancing overall application reliability.

Monzo , London, UK — *Software Engineer Intern*

APRIL 2022 - SEPTEMBER 2022

- Engineered a real-time transaction monitoring system, reducing fraud incidents by 15% and enhancing the overall security of user accounts.
- Spearheaded the development of an intuitive user interface for the mobile banking app, contributing to a 25% increase in user engagement.
- Collaborated in the design and implementation of an automated testing framework, leveraging microservices architecture for better scalability and maintainability.

Tirotech Solutions, Nairobi, KE — *Python Developer*

APRIL 2021 - MARCH 2022

- Led the development of a data-driven recommendation engine, resulting in a 20% increase in user engagement and a 15% boost in revenue from personalized product recommendations.

- Pioneered the migration of legacy systems to microservices architecture, reducing system downtime by 25% and improving overall system scalability.
- Implemented Celery for distributed task processing, improving system efficiency and enabling seamless background job execution.
- Introduced Redis for caching frequently accessed data, reducing database load and improving overall application performance.
- Utilized LangChain for machine learning applications, enhancing user personalization features and achieving a 20% improvement in recommendation accuracy

EDUCATION

Murang'a University, Kenya — *Bsc. Software Engineering*