

# Bruce Bainomugisha

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## Skills

**Web Development:** HTML5, CSS3, JavaScript, PHP, React, Django, Laravel, REST API, Git

**Machine Learning & AI:** Scikit-learn, XGBoost, LightGBM, MLlib (Spark), AWS SageMaker, Azure ML Studio, Google Cloud AI, IBM Watson

**Data Analysis:** Python (pandas, NumPy), Microsoft Excel, Jupyter, Google Colab

**Business Intelligence & Data Visualization:** Power BI, Tableau, dbt, Matplotlib, Seaborn, Plotly, Bokeh, Altair

**Data Mining & Warehousing:** BeautifulSoup, docker

**Databases & Administration:** MySQL, PostgreSQL, SQL Server, MongoDB, phpMyAdmin

**Data Engineering & Processing:** Apache Spark, Dask, Airflow

**Orchestration:** Kubernetes

**Big Data & Streaming:** Hadoop, Hive, HDFS, Kafka, Flink, Google BigQuery

## Experience

### Junior Back-End Developer

Maniflex Ltd - Kampala, Uganda

July 2020 to August 2021

This was my internship year, we mainly focused on Web Development projects.

### System Developer & Data Analyst

Osela Technologies - Kampala, Uganda

September 2023 to October 2024

We used Microsoft Excel and Microsoft SQL Server Management Studio to analyze customer data, and create reports regarding ERP systems.

## Publications

### BTC Forecast Model

For this project, I used **TensorFlow** and **Scikit-Learn** to create a model for predicting future Bitcoin prices and trends. I loaded the model to a **Flask API**.

### Superstore Sales Database

The major aspect I used was **Explanatory Data Analysis**, I used **pandas**, and **matplotlib** to further analyze the data

### Employee Statistics Database

I utilized **MSSM Studio** and used multiple **Joins**, **Common Table Expressions**, **Stored Procedures**, and **Temporary Tables** for making later visualizations

### Bicycle Sales Analysis

I started off with cleaning and arranging this data using **Microsoft Excel's** in-built **functions**, I then created a number of **pivot tables** that helped me to visualize the data with **slicers**.

### Varese Restaurant Website

This website offers insights of the different meals available on the menu. I used **React** to build it, with **Tailwind** to style it.

## Education

### Bachelor's degree in Software Engineering

Makerere University – Uganda

August 2019 to 2023

## References

ASP Tunanukye Eric – Regional Staff Officer, Uganda Police North Kyoga Region

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**Mr. Turyatunga Richard** – Manager Human Resources, Public Procurement and Disposal of Public Assets Authority (PPDA)

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## Certification Awards

### **Web Development, Python & SQL MiMo Certificates**

Given to me after the completion of the Python Programming Course, Web Development (with HTML, CSS, and JavaScript), as well as the MySQL Course.

## Objectives

- I have a dream, and a long-term vision of leaving a lasting positive impact on my community, as well as everyone that I'll be able to meet with.
- I have confidence in my ability to thrive under pressure, in addition to my strong enthusiasm for taking on new challenges.
- I have a great desire in taking on extra responsibilities and working extra hours to ensure successful project completion.
- I also admire my ability to bounce back from setbacks, and adapt to changing circumstances while maintaining a positive attitude.