

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

0774390181

erictunanukye@yahoo.com

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

0700580997

richardturyatunga@yahoo.com

Mr. Elkanah Momayi – CEO, Osela Technologies Ltd.

elkanahm@oselatechnologies.com

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.