

OLATOYOSI BABAYEJU

Senior Data Scientist

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EXPERIENCE

Data Science Consultant | Legend

May 2023 – Present London, UK

- Extracted over 5M Ahref data points from diverse websites using advanced web scraping techniques, capturing vital metrics like keywords and traffic. Wrangled the data into Snowflake for further analysis.
- Created an automated sitemap using K-Means and Cosine Similarity to align content with user search intent, resulting in 89 new optimized pages and a 23% boost in site traffic, tracked via Adobe Analytics.
- Implemented robust version control practices with Git, integrating CI/CD pipelines to streamline code releases and enhance collaboration.
- Utilized Jira to manage projects from inception to completion, employing Agile/Scrum methodologies to facilitate efficient task distribution.

Senior Data Consultant | Rockborne

July 2022 – Present London, UK

- Created a 2-week Databricks training program as team leader under the CTO for new cohorts, reducing onboarding time by 15%.
- Created a LSTM stock prediction model using TensorFlow, and detailed the methodology and results in a blog post published by Rockborne.
- Completed a 16-week intensive training in Data Analytics, Cloud Computing, and DevOps, followed by practical deployments across diverse business sectors.

Data Science Consultant | Next PLC

Dec 2022 – May 2023 Remote, UK

- Developed a predictive model using Databricks and PySpark, by blending user intent with product features, yielding a 19% sales boost and a £25M revenue increase in Q1.
- Established a model testing and training framework with PySpark, MLlib Wrappers, and Matplotlib to streamline deployment, resulting in a 17% reduction in model deployment time.
- Wrangled 3TB of data, enhancing data quality and accessibility, which led to a 10% improvement in analytical insights.
- By adopting Scrum practices, Jira and Databricks version control, collaborated on an international segmentation model using K-Means Clustering, identifying similar purchasing patterns across countries, enhancing search relevance and regional product alignment by 13%.

US & UK Tax Associate | EY

Aug 2021 – June 2022 London, UK

- Implemented strategic tax planning that saved clients thousands to millions of pounds on their annual tax returns.
- Collaborated with clients, colleagues, and IRS agents to efficiently prepare tax documents that align with industry standards.
- Incorporated data-driven strategies to streamline tax return processes, resulting in 25% increased tax return accuracy.

Operations Area Manager | Amazon

Sept 2020 – April 2021 London, UK

- Coached, managed and motivated 80-100 associates to meet daily KPIs.
- Implemented departmental changes resulting in a 13% reduction in training time for new associates, improving development and deployment rate.
- Achieved a record-breaking throughput of 6.2M shipments for Europe in December 2020, exemplifying our mission to meeting key operational goals.

EDUCATION

BEng Aerospace Engineering: 2.1 University of Surrey

Oct 2017 – Sept 2020

First Year - MEng Course Rep | Second Year - Project Leader | Third Year - Elected SU Voice Zone Exec | Football Cup Trophy

CERTIFICATIONS

- 60-Days Python Mega Course
- Microsoft Certified: Azure Data Fundamentals
- Machine Learning Micro-Credential
- Snowflake Badges: Data Warehouse, Data Applications, Data Sharing, and Data Lake

TECHNICAL SKILLS

Programming Languages

Python PySpark SQL Matlab
CSS HTML OpenAI API

Libraries

Numpy Pandas Tensorflow NLTK
XGBoost Scikit-Learn MLlib Plotly
PyTorch BeautifulSoup Selenium

Development Tools/Skills

VS Code PyCharm Github Git
Jupyter NB Sagemaker Databricks
Snowflake Airflow Astro ETL
A/B testing PowerBI Azure OOP

PROJECTS

OpenAI Chatbot API

2023

Utilized OpenAI's GPT "text-davinci-003" for AI-powered conversational responses, integrated with a PyQt6 GUI for an engaging user interface, showcasing advanced natural language processing in a user-friendly chat application.

Spotify ETL

2022

Developed an automated ETL pipeline using Spotify's API to ingest, structure, and store daily updates of recently played songs in a SQLite database with Apache Airflow.