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**Summary**

An experienced Senior Data Engineer, with some active exposure to working in functional teams. Committed to providing data-driven, high-level solutions that drive businesses. Seeking challenging, yet exciting opportunities in exciting data-driven software projects which include Big Data and Machine Learning.

[**Github profile**](https://github.com/ayodelephillips?tab=repositories)[**LinkedIn Profile**](http://www.linkedin.com/in/samuel-phillips-dev)

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**Skills**

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| * High level of experience in Html, CSS, JavaScript, Django, Flask frameworks. * Fluent in Python3 * Fluent in Pytest, selenium and basic concepts of TDD * Git Version Control System * Azure. * Expert level experience in use of NumPy and Pandas for data wrangling * Airflow, and Cloud composer for task schedule * Great understanding of Azure Data warehouse technologies as Azure * PostgreSQL and My SQL * Docker. * Google Cloud Platform and its Technologies (cloud functions, cloud run, pub/sub, Dataflow, Dataproc). * BigQuery, Dataform. * DataForm and ELT approach. * Snowflake, DBT. * Data observability Tools like Elementary, DBT Expectations. * Tensorflow, Scikit-learn. |  |

**Experience**

Senior Data engineer **– TECH LEAD** **08/2022 - Present**

**Jaguar Landrover ltd**

* Developed an automated process in the Solihull Manufacturing site, which resulted in about £400m cost savings within six months.
* Enacted a 30% reduction in manual processes carried out on a manufacturing line. This helped identify factors delaying vehicle production.
* Headed several technical contributions in working groups. This led to several upskilling opportunities.
* Championed and managed relationships with stakeholders. This massively increased the feedback from stakeholders.
* Facilitated team growth and development through increased use of development time.
* Built a real-time data pipeline using Google Pub/Sub to stream data from manufacturing systems into Google BigTable for fast and scalable storage. I Set up Pub/Sub topics for key metrics like machine status and sensor readings, and developed a Python subscriber to automatically process and load data into BigTable, enabling real-time monitoring and analysis.

**03/2021- 08/2022**

Data engineer

**Kayenta ltd**

* Implemented an adaptable system that effected a 50% reduction in time taken to build ETL data pipelines while maintaining good code quality.
* Built sustainable data pipelines that catered directly to client needs.
* Effected a 20% reduction in time taken to transform product requirements to data pipelines that cater to client needs.
* Reduced the time to market new features by about 30% through efficient implementation techniques.
* Some of the clients catered to include Pentwater, Bayberry, Morgan Stanley, Goldman Sachs Lijaro, among others.

Python Developer **02/2020-03/2021**

**Dynamic Mobile Billing**

* Completed and delivered outstanding modules in a Debt Collection project in record time.
* Designed and incorporated an effective method of Dashboard Analytics which allowed for data tracking in real time. This implementation is the first of its kind in the organisation.
* Created a workable process of code handling using git which allowed for proper code handling, error tracking and also easy debugging of the applications.
* Designed, and implemented automated test suites for a company project. Asides from being the pioneer of such testing process within the company, the test suites allow for quicker bug detection, and resulted to an increase in code maintainability.
* Engaged in the active development of a Business To customer implementation of a Voice Platform which uses the Microsoft Identity means of authentication. This is currently in the Proof-of-Concept stage and is essentially revolutionary.
* I was instrumental to the implementation of some of the User Interface, the display and management of data using scalable and generic tables, as well as the addition of features such as user authentication.

Python Developer | [**INTERN**] **01/2019-10/2019**

**Bizzdesk Limited**

* + Managed, upgraded, and supported goTax- a tax management system which manages tax processes using intelligent analytics reporting.
  + Served as goTax's Subject Matter Expert and primary point-of-contact for project management staff and end users alike.
  + Tested troubleshooting methods, devised innovative solutions, and documented resolutions for inclusion in knowledge base for support team use.
  + Stored, retrieved, and manipulated real time data for close analysis of revenue generated for each month on the platform.
  + I kept the Project Manager informed of milestone updates and provided a detailed project report every week.
  + Researched, designed, and implemented scalable applications for information identification, extraction, analysis, retrieval and indexing.

Data scientist

**Advanced Textiles Research Group 08/2022-03/2023**

* Developed a Convolutional Neural Network (CNN) model utilizing publicly available training data, achieving an 80% accuracy rate in fall prevention.
* Spearheaded and executed a study to determine the optimal strategy for model development and deployment.
* Utilized FASTAPI to deploy the CNN model, seamlessly integrating it into a wearable device and boosting user engagement by 30%.

**Education**

**Redeemers University - | Bachelor of Science**

Computer Science, 2018

* Graduated First Class- (Suma cum laude)

**Nottingham Trent University- | Master of Science Part-time**

Data Science. 2023

* Distinction.

**Certifications**

* Azure Data Fundamentals (DP900)
* [GCP Professional Data Engineer](https://google.accredible.com/e02a0794-b6c1-400c-91ef-6f32a9f677a2?record_view=true)

**Hobbies**

* Article Writing and Poetry.