Olasehinde Isaac Omolayo

No2A, Adeshile street off Ore - Dolaolojo, Ajao Estate, Isolo, Lagos, Nigeria.

olasehindeomolayo9@gmail.com | **Github** | +2347036089230

EDUCATION

Bachelor of Technology in Statistics   **2013 - 2018**
Federal University of Technology, Akure Nigeria

WORK EXPERIENCE

Data Engineer (9am – 5pm EST)   **September, 2021 – Present**
Anant.us
3 Washington Cir NW APT 301,
Washington 20037, United States (Working Remotely)

- Connecting DataStax databases, and Cassandra databases to applications backend
- Real-time data streaming using Apache Kafka and Apache Spark
- Automation of data pipelines using Terraform / Ansible and DataStax Enterprise
- Workflow management and scheduling using Python and Apache Airflow
- Unit and Integration testing
- Monthly presentation, blog post on Apache Cassandra and Data Engineering

Data Engineer   **April, 2019 – February, 2022**
Cndro LLC
Houston, Texas,
United States (Working Remotely)

- Automating data pipelines and ETL job for API data, webpages data and database exchanges
- Responsible for the Cndro LLC Data Factory Administrations and Tableau Server Administrations
- Data Mining using Selenium and BeautifulSoup; Data Cleaning; Data orchestration and Data migration
- Work on data problems; Unstructured data and Structured data
- Batch Processing and Streaming Processing using Apache Spark
- Orchestrate Workflows with Apache Airflow or Alteryx
- Training of students on how to use AWS and Azure Platform; Python, Alteryx, Tableau and SQL

Data Enumerator (Graduate Trainee)   **January, 2019 – April, 2019**
Oyo State Bureau of Statistics Ibadan, Oyo State
- Work as one of the data enumerators for field surveys
- Provide daily and weekly report to the survey supervisor
- Responsible for data cleaning and data error handling tasks
- Responsible for sorting of enumeration forms (EA) according to LGA in Oyo state for every survey

Managerial Internship   **April, 2017 – July, 2017**

GreenTurn, London, United Kingdom
- Responsible for modelling business processes for clients for better improvements of businesses processes
- I give a weekly and monthly reports to the senior managers for restructuring purposes
- I engage in the interpretation of business models to the domain experts
- I was able to write 360 pages of the report on business process modelling

Data Analyst (Intern)   **Aug, 2017 – Nov, 2017**

National Bureau of Statistics (NBS), Akure Ondo State
- Acquired knowledge on primary data collection, engaged in price surveys, farm surveys and health surveys
- Student Work Experience Program

TECHNICAL AND PROFESSIONAL SKILLS

- Excellent communication skills
- Excellent Teaching Skills
- Data Engineering Skills
- Data Science and Analytics Skills
- Content and creative writing skills

HONOURS AND AWARDS

- Association for the Advancement of Artificial Intelligence (AAAI)
- 2019 Black in AI Travel Award, Conference on Neural Information Processing Systems (NeurIPS), Vancouver, Canada
- 2019 Lagos Nigeria IndabaX 3rd best poster presenter
- 2018 Black in AI Travel Award, Conference on Neural Information Processing Systems (NIPS), Montreal, Canada
- 2018 Leadership award as the Music Director and Secretary, Christ Apostolic Church Campus Fellowship, Akure, Nigeria
- 2017 Strategy and Marketing for Emerging Countries, Beijing Normal University, China

CERTIFICATIONS AND TRAINING

- 2020 Python PCEP Certification
- 2020 Tableau Server Certified Associate
- 2021 Apache Cassandra Associate Developer Certification
- 2021 Apache Cassandra Associate Administrator Certification

SUMMARY OF SKILLS (COMPUTING AND Technical SKILLS)

- Presentation of Research Results using MS PowerPoint
- Data Science and Analytics skills
- DevOps engineering skills
- Business Process Modeling and Management
- Operating Systems: Windows, Linux, VMs
- Database: DataStax Enterprise, MySQL, Microsoft SQL, NoSQL, PostgreSQL, Google BigQuery, AWS RedShift, MongoDB, Cassandra
- Programming: Python, R, Javascipt, HTML, PHP, SQL, Spark
- ETL Tools: Talend, Alteryx, Azure Data Factory, AWS Glue, AWS Data Pipeline
- DevOps Tools: Git and Github, Jenkins, Terraform, Nagios, Ansible, Docker, Amazon Web Services, Microsoft Azure

LEADERSHIP POSITIONS AND VOLUNTEERING SERVICES

Team Lead, FUTA AI and Data Science   **2017 - present**
- Help members to solve individual project issues
- Organizes training workshops for members at various capacity
- Direct members to work together to solve project issues relating to corporate project

Member, Black in AI   **2019 - present**
- Seeking opportunities for members at different levels and interests
- Participate in data science and machine learning international conferences
- Helping members to solve individual project issues in data science and AI

Music Director, CACCFFUTA   **2017 - 2018**
- I engage in the teaching songs of different styles and dialects
- I compose and director the songs presented in live performances
- I direct and coordinate all the instrumentalists

Sound Engineer, CAC Kiibati   **2009 - Present**
- I engage in hardware installations
- I organize and train volunteers on sound engineering for live performance
- Organizes training for the sound users (singers and instrumentalists)

PROFESSIONAL MEMBERSHIPS

- Association for the Advancement of Artificial Intelligence (AAAI)
- Black in AI
- FUTA AI and Data Science

HOBBIES AND EXTRACURRICULAR ACTIVITIES

- Volunteering
- Walking across the calm street at the evening time
- Playing scrabble, GTA, Football Manager and Pes 2018
- Singing, playing keyboard, saxophone, Acoustic and bass guitar.
- Designing interfaces for mobile apps

RESEARCH INTEREST

Data Engineering
Biomedical Data Science
Data Modeling
Data Analytics and Data Engineering

PAPERS AND PUBLICATION

- Omolayo Olasehinde." Stock Price Prediction System using Long Short-Term Memory". Proceedings of BlackInAI workshop (NeurIPS 2018). Canada
- Adeniyi Hannah, Omolayo Olasehinde & Adeniyi Odunayo." Segmentation of Medical Images Using Fully Convolutional Neural Networks". Proceedings of Ibadan Conference on Biomedical Engineering (ICBME 2019). Ibadan, Nigeria

BLOG POSTS

- Airflow and Spark: Running Spark Jobs on Airflow (Docker-based Solution)
  https://blog.anant.us/airflow-and-spark-running-spark-jobs-on-airflow-docker-based-solution/
- Kafka Streaming: Live Streaming Kafka Application to Cassandra
  https://streamsets.com/blog/kafka-streaming-application/
- Airflow and Cassandra: Writing to Cassandra from Airflow
  https://blog.anant.us/airflow-and-cassandra-writing-to-cassandra-from-airflow/
- Using Cadence and Cassandra for workflow Orchestration
  https://blog.anant.us/using-cadence-and-cassandra-for-workflow-orchestration/
- Getting Started with DataStax Enterprise (DSE) on Docker
  https://blog.anant.us/getting-started-with-datastax-enterprise-dse-on-docker/
- Basics of Apache Cassandra
  https://blog.anant.us/cassandra-launch-70-basics-of-apache-cassandra/
- Loading Data into Snowflake Table Using SnowSQL Client
  https://medium.com/@cndro/loading-data-into-snowflake-table-using-snowsql-client-a066305103bb
- Convert JSON to CSV in Alteryx and Python
  https://medium.com/@cndro/how-to-connect-to-azure-blob-from-alteryx-957205162cfb
- Airflow Email Notification
  https://medium.com/@cndro/airflow-email-notification-f4b32269f339
- A Comparison of Alteryx and Fivetran for ETL Processes
  https://medium.com/@cndro/comparison-of-alteryx-and-fivetran-for-etl-processes-1f5853b55042
- Get Unused Data Sources in Tableau Server Using REST API
  https://medium.com/@cndro/get-unused-data-sources-in-tableau-server-using-rest-api-f63733041e2
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- Download Tableau Worksheet Views as a CSV or PDF file using REST API
  https://medium.com/@cndro/download-tableau-worksheet-views-as-a-csv-or-pdf-file-using-rest-api-t
  sc-ea582a0e6bd8
- How to Upload and Download Blobs from Azure Blob Storage Using Python
  https://medium.com/@cndro/how-to-upload-and-download-blobs-from-azure-blob-storage-using-pyt
  hon-6e5306aa7089
- How to Connect to Azure Blob from Alteryx
  https://medium.com/@cndro/how-to-connect-to-azure-blob-from-alteryx-957205162cfb
- Connect CSV Data in S3 Bucket with Athena Database
  https://medium.com/@cndro/connect-csv-data-in-s3-bucket-with-athena-database-11d98aa89066
- Kickstart an Alteryx Workflow with an Alteryx API
  https://medium.com/@cndro/kickstart-an-alteryx-workflow-with-an-alteryx-api-1a1dacd51e98

REFERENCES

Available on Request