Edmond Agbovi-Teye

Accra, Ghana

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Summary

A software engineer and data analyst with a strong background in computer science and passionate about building impactful software solutions. Have thorough experience in building API-intensive applications, data analysis including data wrangling, exploratory analysis and data visualizations, managing databases and collaborating on full-stack projects with a focus on compliance and data flow efficiency. Possess strong problem-solving, analytic and computational skills in building solutions.

Education

University of Ghana   2019 - 2023

BSc, Computer Science

- Achievements: First Class Hons, Dean's List

Udacity *Data Analyst Nanodegree*

Data Wrangling, Exploratory and Data Visualizations Using Python

Institute of Chartered Accountants (Part 2)

Work Experience

Freelance, Remote   Jun 2024 - Nov 2024

Backend Engineer   *UK*

- Developed an API-intensive application for UK customs declarations using NodeJS.
- Designed and implemented database schemas in PostgreSQL to store customs declarations data, optimizing data flow between frontend and JSON and backend XML payloads for API transmission.
- Collaborated with teams to ensure compliance with UK customs regulations.

    Tools: PostgreSQL, sequelize, NodeJS

Freelance Project   July 2024 – Aug 2024

Data Analyst   *Accra, Ghana*

- Collected, and pre-processed text data for a recommender system.
- Generated visualizations to understand the pre-processed data.
- Developed a recommender model using collaborative filtering algorithms.
- Performed analysis, model training and performance analysis on the trained model.
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Tools: Python, NLTK, scikit-learn, pandas.

Datamaker Ghana Ltd *LLM Dataset Inspector (Contract)*   *Accra, Ghana*   **Mar 2024 - Jul 2024**
- Implemented measures to ensure appropriate responses are provided within the right context for the construction of the dataset, resulting in improved data accuracy and relevance.
- Assisted researchers in providing appropriate error labels, enhancing the dataset's reliability and facilitating more accurate data analysis
- Performed daily inspections to identify and rectify errors in the dataset, which improved data integrity.

Tools: Python, Excel, google docs.

Afriquetek Part-Time   **Nov 2023 - Present**

Backend Developer   *Accra, Ghana*
- Developed RESTful APIs using NodeJS and Express, enhancing client-side integration and improving data flow efficiency
- Designed and implemented a MongoDB database for data storage, retrieval, and manipulation, ensuring client requirements were met and improving data management efficiency
- Collaborated with the frontend team to integrate APIs into React, resulting in a seamless user experience and improved application performance.

University of Ghana, Department of Computer Science   **Feb 2023 – Jan 2024**

Research Data Analyst   *Accra, Ghana*
- Collected, cleaned and organized research data from diverse academic databases.
- Interpreted the data and performed thematic analysis to identify patterns in the themes.
- Performed statistical analysis using Python to analyse data.
- Created visualizations to present complex data in a clear and understandable format for publication.

Tools: Python, NLTK, scikit-learn, pandas.

XL Micro Finance Services   **Feb 2022 - May 2022**

IT/Accounting Intern   *Accra, Ghana*
- Developed the backend of an application using Python and Django, preparing it for deployment to enhance company operations.
- Created and updated Excel files for temporary accounting entries, ensuring accurate financial records and supporting the accounting team.
- Reconciled balances between loans issued and loans repaid, minimizing inconsistencies and improving financial accuracy.

Skills

Python, JavaScript, Pandas, matplotlib, SQL, Data Mining, HTML/CSS, React, Oracle, MySQL, MongoDB, NodeJS, Django, Power Bi, MS Suite